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TUNERS

ACCUPHASE

T-100 AM-FM Stereo Tuner

FM sensitivity 11.2 dBf (2.0 μ V); capture ratio 1.5 dB; S/N 75 dB; THD 0.1% at 1000 Hz; stereo separation 45 dB at 1000 Hz; response 20-15,000 Hz +0/-1 dB. 6" H x 17 1/2" W x 14" D \$750

AIKO by TZL INTERNATIONAL

TU-81 AM-FM Stereo Tuner

Features signal-strength and tuning meters; high blend and muting switches. FM usable sensitivity 1.9 μ V (mono); S/N 60 dB; HD 0.2%; AM S/N 45 dB; 5 1/2" H x 17" W x 8 1/4" D \$220

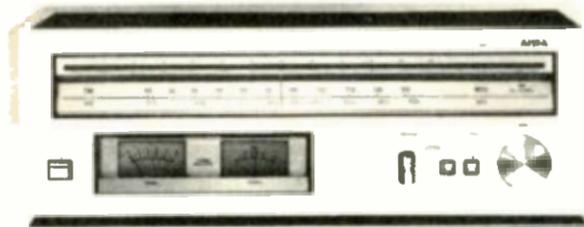
AIWA

AT-9700 FM Stereo Tuner

Features MOS FET front end; quartz PLL multiplex circuitry; quartz-controlled servo-lock tuning with LED digital frequency readout display; ten-LED signal-strength and three-LED tuning indicator displays; LED indicator selector; automatic sharp/normal selectivity selector with LEDs; output level control; mode selector with LEDs. IHF usable sensitivity 10.3 dBf (normal), 12.8 dBf (sharp); 50-dB quieting, mono 15.3 dBf (normal and sharp), stereo 35.3 dBf (normal and sharp); S/N 80 dB (mono), 78 dB (stereo); dist. mono 0.03% (normal), 0.2% (sharp), stereo 0.05% (normal), 0.5% (sharp); capture ratio 1.0 dB (normal), 2.0 dB (sharp); alternate channel selectivity \pm 400 kHz 50 dB (normal), 80 dB (sharp); image and spurious rejection 110 dB; stereo separation at 1000 Hz 50 dB (normal), 30 dB (sharp); 6 3/8" H x 18 7/8" W x 14 1/8" D .. \$520

AT-9300U AM-FM Stereo Tuner

Features PLL multiplex circuitry; hi blend and muting switches; signal-strength and tuning meters. FM



section: IHF usable sensitivity 1.9 μ V (mono); 50-dB quieting 4.5 μ V (mono), 44 μ V (stereo); IHF S/N 73 dB (mono), 68 dB (stereo); frequency response 30-15,000 Hz +0.3/-2.5 dB; dist. 0.2% (mono), 0.3% (stereo) at 1000 Hz; capture ratio 1.5 dB; IHF alternate channel selectivity 72 dB \pm 400 kHz; image rejection 48 dB; i-f rejection 75 dB; spurious rejection 70 dB; stereo separation 42 dB at 1000 Hz. AM section: sensitivity 240 μ V/m (IHF, ferrite antenna), 25 μ V (IHF, external antenna); S/N 50 dB. 5 1/8" H x 16 1/8" W x 13 23/32" D \$210

SI-R22U Mini Stereo AM-FM Tuner

Features dual-gate MOS FET front end; PLL IC multiplex demodulator; quartz digital frequency tuning with LED digital frequency readout display; five-

LED signal-strength indicator display; hi blend, afc/muting, and band switches. FM section: usable sensitivity 1.9 μ V (mono); S/N 73 dB (mono), 70 dB (stereo); frequency response 50-10,000 Hz \pm 0.5 dB; dist. 0.15% (mono), 0.25% (stereo); capture ratio 1.5 dB; alternate channel selectivity 70 dB \pm 400 kHz; i-f rejection 80 dB; stereo separation 45 dB at 1000 Hz. AM IHF sensitivity 20 μ V (external antenna), 250 μ V/m (bar antenna); S/N 50 dB. 2 1/8" H x 8 3/8" W x 6 7/8" D \$200

AKAI

AT-2650 AM-Stereo FM Tuner

Features three dual gate MOS FETs and five-gang frequency rectilinear variable capacitor in front end; signal strength and FM tuning meters; AM/auto FM/mono FM input selector; output level control; noise canceller switch; FM mute switch with level adjuster; LED power and FM stereo indicators. FM section: IHF sensitivity 1.6 μ V; capture ratio 1.2 dB; IHF selectivity 80 dB; image, i-f, and spurious rejection 110 dB at 98 MHz; S/N 75 dB; frequency response 20-15,000 Hz +1/-3 dB; HD 0.1% (mono), 0.15% (stereo); stereo separation 45 dB at 1000 Hz. AM section: IHF sensitivity 80 μ V/m (bar antenna), 13 μ V (external antenna); IHF selectivity 30 dB; S/N 50 dB. Complements AM-2650 stereo integrated amplifier; silver panel with wood-grain vinyl cover; 5.7" H x 17.3" W x 14.5" D \$300

AT-2450 AM-Stereo FM Tuner

Features dual gate MOS FETs and four-gang frequency rectilinear variable capacitor in front end; signal strength and FM center tuning meters; AM/auto FM/mono FM input selector; output control; FM mute switch with level adjuster; LED power and stereo FM indicators. FM section: IHF sensitivity 1.7 μ V; capture ratio 1.2 dB; IHF selectivity 80 dB; image rejection 90 dB at 98 MHz; i-f and spurious rejection 100 dB at 98 MHz; S/N 75 dB; frequency response 20-15,000 Hz +1/-3 dB; HD 0.1% (mono), 0.2% (stereo); stereo separation 45 dB at 1000 Hz. AM section: IHF sensitivity 100 μ V/m (bar antenna), 15 μ V (external antenna); IHF selectivity 30 dB; S/N 55 dB. Complements AM-2450 stereo integrated amplifier; 5.7" H x 17.3" W x 14.5" D \$225

AT-2250 AM-Stereo FM Tuner

Features PLL multiplex IC circuitry; signal strength and FM center tuning meters; auto FM/FM mute switch; AM/FM input selector; LED stereo FM indicator. FM section: IHF sensitivity 1.9 μ V; capture ratio 1.3 dB; IHF selectivity 65 dB; image rejection 60 dB at 98 MHz; i-f rejection 85 dB at 98 MHz; S/N 70 dB; HD 0.1% (mono), 0.2% (stereo); stereo separation 42 dB at 1000 Hz. AM section: IHF sensitivity 100 μ V/m; IHF selectivity 30 dB; S/N 55 dB. Complements AM-2250 stereo integrated amplifier; 5.1" H x 15" W x 8.7" D \$150

CROWN

FM-1 FM Tuner

Features quartz-crystal IC frequency synthesizer

tuning with auto forward/reverse continuous scan and auto search-and-stop operations; five-station memory preset; LED digital frequency readout display; 20-LED analog tuning indicator dial; LED signal-strength and multipath meter displays; 25- or 75- μ sec de-emphasis; carrier band filter and muting selectors. IHF usable sensitivity 10.8 dBf (mono); 50-dB quieting 2.75 μ V (mono), 35 μ V (stereo); S/N 70 dB (mono), 65 dB (stereo); THD 0.1% (mono), 0.09% (stereo); frequency response 30-15,000 Hz \pm 0.5 dB; capture ratio 2.0 dB; alternate channel selectivity 75 dB; image and spurious rejection 114 dB; stereo separation 45 dB at 1000 Hz; 5 1/4" H x 19" W x 15" D \$995

DENON

TU-850 FM Tuner

Features five-gang capacitor using MOS FET, two-system i-f section, PLL/IC stereo demodulation circuitry, recording level check, high-precision tuning, and two multi-functioning level meters to measure amplifier output. IHF sensitivity 9.8 dBf (1.7 μ V); capture ratio 0.8 dB; image response -120 dB; i-f response -110 dB; AM suppression 65 dB; S/N 84 dB; THD 0.08% (stereo), 0.05% (mono). 164 mm H x 434 mm W x 40 mm D \$480

TU-500 FM Tuner

Features separate left/right VU meters, multipath terminal, five-gang variable capacitor, dual gate MOS FET and oscillator circuit, two separate i-f sections, PLL decoder, "Stereo Only" switch, and headphone jack. IHF sensitivity 9.8 dBf (1.7 μ V); capture ratio 1.0 dB; image response -80 dB; i-f response -110 dB; AM suppression 60 dB; S/N 75 dB; THD 0.2% at 1000 Hz (mono and stereo), 0.3% from 50-5000 Hz (stereo), 0.3% from 50-10,000 Hz (mono); stereo separation 45 dB at 1000 Hz, 40 dB from 100-10,000 Hz. 140 mm H x 430 mm W x 350 mm D \$415

TU-630 FM Tuner

Features dual-gate MOS FETs and five-ganged vari-



able capacitor in front end; wide/narrow i-f bandwidth selector; FM detector circuitry; multiplex IC circuit with pilot canceller; servo-lock tuning with LED; built-in low-distortion 3-W/ch power amp with headphone jack; FM muting; auto/hi blend/mono/rec level selector; multipath detector; built-in oscillator; five-LED signal-strength and three-LED tuning meter indicators. Usable sensitivity 1.7 μ V; 50-dB quieting 3.3 μ V (mono), 30 μ V (stereo); S/N 82 dB (mono), 79 dB (stereo); frequency response 20-15,000 Hz +0.2/-1.5 dB; THD at 1000 Hz, mono 0.03% (wide), 0.1% (narrow), stereo 0.06% (wide), 0.12% (narrow); capture ratio 1.0 dB (wide), 1.5 dB (narrow); selectivity 35 dB at 400

kHz (wide), 80 dB at 300 kHz (narrow); image rejection 110 dB; i-f rejection 105 dB; spurious rejection 110 dB; stereo separation at 1000 Hz 55 dB (wide), 50 dB (narrow); matches PMA-630 integrated amplifier; brushed aluminum front panel; 98.5 mm H x 434 mm W x 364 mm D..... \$340

TU-501 AM-FM Stereo Tuner

FM section: IHF sensitivity 10.3 dBf (1.8 μ V); capture ratio 1.2 dB; image response -90 dB; i-f response -90 dB; AM suppression 60 dB; S/N 75 dB; THD 0.15% (stereo), 0.1% (mono). Features four-gang capacitor, low-noise FET, and separate left/right meters with meter selector switch. AM section: sensitivity 300 μ V/m; S/N 55 dB. Features IC and high-selectivity ceramic filters. 5 $\frac{3}{4}$ " H x 16 $\frac{1}{16}$ " W x 11 $\frac{1}{16}$ " D..... \$340

DRACO LABS

Micro/CPU FM Tuner

Features six-section varactor front end; PLL multiplex decoder; PLL frequency-synthesis microcomputer-locked tuning with auto up/down scan tuning and LED four-digit frequency readout display; user-programmable station call letter display with store switch and manual tuning knob; four-station memory preset with LED station display; normal-wide i-f bandwidth selector; toroidal and active low-pass filters; linear phase ceramic i-f filter; variable analog switch muting; signal-strength and tuning meters. IHF usable sensitivity 1.6 μ V mono; 50-dB quieting mono 2.1 μ V (normal), 3.0 μ V (wide); S/N 82 dB (mono), 75 dB (stereo); frequency response 20-15,000 Hz \pm 0.5 dB; THD at 1000 Hz, mono 0.1% (normal), 0.07% (wide), stereo 0.2% (normal), 0.07% (wide); capture ratio 1.0 dB (normal), 0.5 dB (wide); selectivity 85 dB (normal), 18 dB (wide); image rejection 130 dB; i-f rejection 120 dB; spurious rejection 130 dB; stereo separation at 1000 Hz 50 dB (normal), 55 dB (wide); 6 $\frac{3}{8}$ " H x 20" W x 14 $\frac{1}{16}$ " D..... \$1000

EUMIG

T-1000 FM Tuner

Features digitally-synthesized PLL FM tuning with LED frequency readout; ten-station memory preset with LED display, stored through CMOS IC or built-in automatic rechargeable NiCd battery; up/down manual scanning; five-LED signal-strength display; wide/narrow i-f bandwidth; mode and muting buttons. Usable sensitivity 1.6 μ V (mono); 50-dB quieting 12 dBf (mono), 36.1 dBf (stereo); stereo separation 50 dB at 1000 Hz; matte black or chrome finish; 19-in rack mount face plate.... \$795

FISHER

FM2421 AM-FM Stereo Tuner

Features digital frequency-synthesized tuning with auto/manual search and scan; LED digital frequency readout display; five-station memory preset for AM or FM with LEDs; wide/narrow i-f bandwidth selector; multiplex filter; FM muting; five-LED signal-strength indicators. FM section: usable sensitivity 1.7 μ V (mono), 4.3 μ V (stereo); 50-dB quieting 2.5 μ V (mono), 34 μ V (stereo); S/N 75 dB (mono), 70 dB (stereo); THD at 1000 Hz 0.05% (mono), 0.1% (stereo); frequency response 20-15,000 Hz \pm 1 dB; capture ratio 0.8 dB; alternate channel selectivity 75 dB \pm 400 kHz; image rejection 80 dB; i-f and spurious rejection 100 dB; stereo separation 46 dB at 1000 Hz. AM section: usable sensitivity 280 μ V/m; selectivity 45 dB; S/N 55 dB. 3 $\frac{1}{2}$ " H x 17 $\frac{1}{8}$ " W x 13" D..... \$450

FM2121 AM-FM Stereo Tuner

Features signal-strength and center tuning meters; FM muting and high blend switches; function selector. FM section: usable sensitivity 1.9 μ V (mono), 4.6 μ V (stereo); 50-dB quieting 2.8 μ V (mono), 38 μ V (stereo); S/N 72 dB (mono), 68 dB (stereo); THD at 1000 Hz 0.12% (mono), 0.2% (stereo); frequency response 20-15,000 Hz \pm 1 dB; capture ratio 1.0 dB; alternate channel selectivity 70 dB

\pm 400 kHz; image rejection 60 dB; i-f rejection 75 dB; spurious rejection 85 dB; stereo separation 40 dB at 1000 Hz. AM section: usable sensitivity 300 μ V/m; selectivity 42 dB; S/N 55 dB. 3 $\frac{1}{2}$ " H x 17 $\frac{1}{8}$ " W x 13" D..... \$230

HARMAN/KARDON

Citation 18 FM Tuner

Features FM quieting meter for tuning; two-stage muting system (wide and narrow); pushbutton for external processor use; 25 μ sec de-emphasis; noise filter; headphone monitoring; output level adjustment. Usable mono sensitivity 11.2 dBf (2.0 μ V); 50-dB quieting mono sensitivity 15.1 dBf (3.2 μ V); capture ratio 1.5 dB; S/N 64 dB; image response -100 dB; i-f response -100 dB; frequency response 10-50,000 Hz \pm 0.5 dB. 4 $\frac{3}{4}$ " H x 16" W x 13 $\frac{1}{2}$ " D \$499
Citation RPM. Rack panel for Citation 18 \$188
Citation CRM. Floor-standing rack mount for Citation 18..... \$285

hk500 AM-FM Stereo Tuner

Features signal-strength tuning meter; LED in-tune and stereo indicators; switchable 75/25 μ sec de-emphasis; switchable interchannel noise suppression; output level control; parallax-free tuning dial. FM section: usable sensitivity 1.9 μ V; 50-dB quieting 3.0 μ V (mono), 40 μ V (stereo); capture ratio 1.5 dB; alternate channel selectivity 65 dB; image response -50 dB; i-f response -50 dB; AM rejection 55 dB; stereo separation 45 dB; S/N 75 dB; HD 0.2% at 65 dBf (mono)..... \$279

HEATH

AJ-1600 AM-FM Stereo Tuner

Features digitally-synthesized tuning with LED digital frequency readout display; wide/narrow i-f bandwidth selector; r-f attenuator and muting switches; Dolby noise-reduction system; hi blend, mono/stereo, and AM switch; signal-strength/multipath meter with switch; tuning meter. FM section: usable sensitivity 1.8 μ V (mono), 3.5 μ V (stereo); S/N 83 dB (mono), 75 dB (stereo); frequency response 20-15,000 Hz \pm 0.5 dB; alternate channel selectivity 40 dB (wide), 80 dB (narrow); 5 $\frac{3}{4}$ " H x 19" W x 14" D. Kit..... \$380

HITACHI

FT-8000 FM Stereo Tuner

Features quartz crystal digitally-synthesized PLL tuning system with auto scan/manual tuning; four gang variable capacitance diode and dual-gate MOS FETs in electronic front end; multiplex demodulator circuitry; six-station memory preset with LED memory write and erase indicators; LED digital frequency/clock readout display; five-LED signal-strength indicators; multipath switch; mono/mute, hi-blend, and 440-Hz record level switches. Usable sensitivity 11.2 dBf (new IHF), 1.0 μ V (75 ohms, IHF); 50-dB quieting 3.3 μ V (mono), 40 μ V (stereo); S/N 72 dB (mono), 68 dB (stereo); frequency response 20-15,000 Hz \pm 0.5/-1.2 dB; HD at 1000 Hz 0.12% (mono), 0.15% (stereo); capture ratio 1.2 dB; alternate channel selectivity 80 dB (IHF); image rejection 70 dB; i-f rejection 85 dB; spurious rejection 100 dB; stereo separation 50 dB at 1000 Hz; 3 $\frac{1}{16}$ " H x 17 $\frac{1}{8}$ " W x 15 $\frac{3}{32}$ " D \$460

FT-5000 AM-FM Stereo Tuner

Features dual-gate MOS-FETs and four-gang variable capacitance diode in electronic front end; multiplex demodulator circuit; quartz crystal digitally-synthesized PLL tuning system with automatic scan/manual tuning; seven-station memory preset for AM or FM stations with LEDs; LED frequency readout display; five-LED signal-strength display; FM muting, mode, and function selectors. FM section: IHF usable sensitivity 1.9 μ V (mono); 50-dB quieting 16.2 dBf (mono), 38/2 dBf (stereo); S/N 65 dB (mono), 62 dB (stereo); HD at 1000 Hz 0.1% (mono), 0.2% (stereo); frequency response 20-15,000 Hz \pm 1/-1.5 dB; capture ratio 1.0 dB;

alternate channel selectivity 75 dB (IHF); image and i-f rejection 70 dB; stereo separation 45 dB at 1000 Hz. AM section: sensitivity 500 μ V/m for 20-dB S/N; selectivity 32 dB; S/N 45 dB; HD 0.7%. 4 $\frac{1}{8}$ " H x 17 $\frac{1}{8}$ " W x 10 $\frac{3}{4}$ " D..... \$330

FT-440B AM-FM Stereo Tuner

Features FET and four-stage linear frequency variable capacitor in front end; PLL IC in multiplex demodulator circuit; signal-strength and tuning meters; FM mute and hi-blend selectors; 440-Hz recording level check oscillator; output level control. FM section: usable sensitivity 1.7 μ V (mono), 5.0 μ V (stereo); 50-dB quieting 3.5 μ V (mono), 39 μ V (stereo); S/N 76 dB (mono), 70 dB (stereo); HD at 1000 Hz 0.1% (mono), 0.25% (stereo); frequency response 30-15,000 Hz \pm 1 dB; capture ratio 1.0 dB; alternate channel selectivity 80 dB (IHF); image rejection 75 dB; i-f and spurious rejection 100 dB; stereo separation 50 dB at 1000 Hz. AM section: sensitivity 250 μ V/m (IHF, ferrite antenna), 12 μ V (IHF); selectivity 34 dB \pm 10,000 Hz; S/N 45 dB; HD 0.3%. Matte black finish; 6 $\frac{1}{2}$ " H x 17 $\frac{1}{8}$ " W x 14 $\frac{7}{8}$ " D..... \$300
FT-440G. Same as FT-440B except has brushed aluminum front panel..... \$280

FT 340 AM-FM Tuner

Dual-gate MOS FET and three-stage variable capacitors with i-f filter, four-stage differential integrated circuitry and PLL multiplex demodulator. FM section: usable sensitivity (IHF) mono 10.8 dBf (1.9 μ V), stereo 37 dBf (6.3 μ V); 50-dB quieting sensitivity mono 17 dBf (3.9 μ V), stereo 37 dBf (39 μ V); capture ratio 1.5 dB; S/N 75 dB; image response -50 dB; i-f response -90 dB; alternate channel selectivity 65 dB; frequency response 30-15,000 Hz \pm 0.2/-2.0 dB; dist. 0.15% (mono), 0.4% (stereo). Has MPX noise filter switch, center-tuning and signal-strength meters, and high-inertia fly-wheel \$200

FT-4000 AM-FM Stereo Tuner

Features MOS FET and three-gang variable tuning capacitor in front end; FM multiplex noise filter switch; FM auto/mono selector; signal-strength and tuning meters. FM section: usable sensitivity 1.8 μ V (mono); 50-dB quieting (IHF) 4 μ V (mono), 39.8 μ V (stereo); S/N 75 dB (mono), 68 dB (stereo); HD at 1000 Hz 0.1% (mono), 0.25% (stereo); frequency response 30-12,000 Hz \pm 0.5/-1.5 dB; capture ratio 1.2 dB; selectivity 75 dB (IHF); image rejection 50 dB; i-f and spurious rejection 80 dB; stereo separation 46 dB at 1000 Hz. AM sensitivity 12 μ V (IHF), 300 μ V/m (IHF, ferrite antenna); S/N 53 dB. 4 $\frac{1}{4}$ " H x 17" W x 10 $\frac{3}{4}$ " D..... \$180

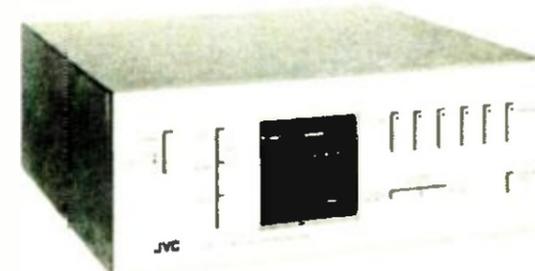
JVC

T-3030 FM Stereo Tuner

Digital frequency synthesizer FM tuner; sensitivity 1 μ V; image response -110 dB; i-f response -110 dB; capture ratio 1 dB; AM suppression 65 dB; S/N 72 dB; 25, 50, and 75 μ sec de-emphasis; variable output level; seven pre-selected station memory; LED digital frequency display; five-LED signal strength indicator; automatic scanning; anti-birdie filter (switchable); 2 $\frac{3}{8}$ " H x 16 $\frac{1}{16}$ " W x 13 $\frac{1}{16}$ " D \$650

T-M1 Micro FM Tuner

Features quartz PLL frequency-synthesizer micro-processor-controlled tuning with auto/manual up/



down scanning; five-station memory preset with LEDs and memory write; LED digital frequency/clock readout display; five-LED signal-strength indicator display. Usable sensitivity 0.9 μ V; 50-dB

quieting 2.0 μ V; S/N (IHF A) 75 dB (mono), 72 dB (stereo); THD 0.08% (mono), 0.12% (stereo) at 1000 Hz; frequency response 30-15,000 Hz +0.3/-1 dB; capture ratio 1.0 dB; alternate channel selectivity 75 dB; image rejection 75 dB; i-f and spurious rejection 90 dB; stereo separation 50 dB at 1000 Hz; 3¹/₁₆" H x 9¹/₁₆" W x 10¹/₁₆" D \$500

T-40P AM-FM Stereo Tuner

Features four-gang electronic varicap in FM front end; quartz PLL frequency synthesizer tuning with auto up/down scanning; eight-station AM/FM memory preset with LEDs and memo bar; LED digital frequency readout display; PLL multiplex with automatic pilot canceller; mode, muting, and AM/FM switches; LED signal-strength bar indicators. FM section: usable sensitivity 1.6 μ V (mono); 50-dB quieting 3.0 μ V (mono), 25 μ V (stereo); S/N 70 dB (mono), 65 dB (stereo); frequency response 20-15,000 Hz +0.5/-3.0 dB; dist. at 1000 Hz 0.15% (mono), 0.3% (stereo); capture ratio 1.5 dB; alternate channel selectivity 65 dB; image rejection 70 dB; i-f rejection 80 dB; spurious rejection 75 dB; stereo separation 45 dB at 1000 Hz. AM section: usable sensitivity 150 μ V/m (bar antenna); 4¹/₁₆" H x 16¹/₁₆" W x 11¹/₁₆" D \$370

JT-V77 AM-FM Stereo Tuner

Features PLL multiplex demodulator with recording level calibrator and automatic pilot signal canceller; four-gang tuning capacitor; automatic tuning hold circuit; single-clip four- and one-resonator ceramic filters; VU record level meters. FM section: sensitivity 10.3 dBf (1.8 μ V); frequency response 20-15,000 Hz +0.5/-0.8 dB; 50-dB quieting sensitivity 36.8 dBf (38 μ V) stereo, 16.8 dBf (3.8 μ V) mono; S/N 72 dB (stereo), 78 dB (mono); capture ratio 1.0 dB; alternate channel selectivity 75 dB; image response -90 dB (98 MHz); i-f response -95 dB; AM suppression 60 dB; stereo separation 45 dB at 100 Hz, 50 dB at 1000 Hz, and 40 dB at 10,000 Hz; antenna input impedance 75 ohms (unbalanced), 300 ohms (balanced). AM section: sensitivity 300 μ V (bar antenna), 50 μ V (external antenna); image response -45 dB; i-f response -45 dB; S/N 50 dB. 6¹/₁₆" H x 17¹/₁₆" W x 13¹/₁₆" D \$320

JT-V22 AM-FM Stereo Tuner

Features IC PLL FM multiplex demodulator; FET radio-frequency amplifier and frequency-linear three-gang tuning capacitor; FM/AM signal strength and FM center-of-channel tuning meters; muting switch; FM-linear tuning dial; and AM bar antenna. FM section: sensitivity 11.2 dBf (2.0 μ V); 50-dB quieting sensitivity 38.3 dBf (45 μ V) stereo, 17.2 dBf (4.0 μ V) mono; S/N 65 dB (stereo), 73 dB (mono); capture ratio 1.5 dB; alternate channel selectivity 70 dB; image response -58 dB (98 MHz); i-f response -90 dB; AM suppression 45 dB; stereo separation 30 dB at 100 Hz, 40 dB at 1000 Hz, and 30 dB at 10,000 Hz; 75 and 300 ohm antenna input impedance. AM section: sensitivity 300 μ V/m (bar antenna), 50 μ V (external antenna); image response -45 dB; i-f response -40 dB; S/N 50 dB. 5¹/₁₆" H x 16¹/₁₆" W x 11¹/₁₆" D \$190

T-V5 AM-FM Stereo Tuner

Features FET r-f amp and three-gang tuning capacitor in front end; PLL multiplex IC demodulator; LED signal-strength and FM tuning bar indicators; selector, mode, and muting switches. FM section: usable sensitivity 0.9 μ V (mono); 50-dB quieting 14.8 dBf (mono), 38.3 dBf (stereo); S/N 82 dB (mono), 70 dB (stereo); frequency response 50-15,000 Hz +0.5/-1 dB; dist. at 1000 Hz 0.15% (mono), 0.3% (stereo); capture ratio 1.0 dB; alternate channel selectivity 65 dB; image rejection 60 dB; i-f rejection 90 dB, spurious rejection 75 dB; stereo separation 45 dB at 1000 Hz. AM usable sensitivity 300 μ V/m (bar antenna), 30 μ V (external antenna). 4¹/₁₆" H x 16¹/₁₆" W x 12¹/₁₆" D \$180

T-V3. Similar to T-V5 but has analog AM signal-strength/FM tuning meter; FM sensitivity 1.2 μ V; 50-dB quieting 17.2 dBf (mono); S/N 70 dB (mono), 65 dB (stereo); dist. at 1000 Hz 0.25% (mono), 0.45% (stereo); capture ratio 1.5 dB; selectivity and image rejection 55 dB; i-f rejection 75 dB; spurious rejection 60 dB; stereo separation 40 dB at 1000 Hz; 3¹/₁₆" H x 16¹/₁₆" W x 12¹/₁₆" D \$140

KENWOOD

KT-917 FM Stereo Tuner

Features nine-ganged tuning capacitor and double-tuned antenna input stage with double-diffused



MOS FET in i-f front end; pulse-count FM detector and LED distortion detection loop circuitry; narrow/wide/normal i-f bandwidths with control and LED display; signal-strength, tuning, and deviation/multipath meters with deviation/multipath switch; quieting and 20- and 40-dBf muting controls with LEDs; FM Dolby de-emphasis switch; antenna switching; output control. Usable sensitivity 1.9 μ V; 50-dB quieting 3.4 μ V (mono), 40 μ V (stereo); S/N 90 dB (mono), 84 dB (stereo); THD at 1000 Hz, mono 0.03% (wide), 0.06% (normal), 0.15% (narrow), at 1000 Hz, stereo 0.04% (wide), 0.09% (normal), 0.12% (narrow); capture ratio 0.8 dB (wide), 1.4 dB (normal), 1.7 dB (narrow); alternate channel selectivity 35 dB (wide), 60 dB (narrow and normal); stereo separation at 1000 Hz 60 dB (wide), 55 dB (normal), 50 dB (narrow); frequency response 10-16,000 Hz +0.2/-0.5 dB; spurious, image, and i-f rejection 125 dB; 6¹/₁₆" H x 18¹/₁₆" W x 18¹/₁₆" D \$1000

KT-815 AM-FM Stereo Tuner

Features five-gang FM tuning capacitor with dual-gate MOS FETs in front end; pulse-count FM detector circuitry; wide and narrow i-f bandwidths with selector; multiplex PLL IC with pilot canceller circuit; servo-lock tuning with LED; muting control; mode switch; output level control; signal strength and tuning meters. FM section: usable sensitivity 1.8 μ V; 50-dB quieting sensitivity 3.4 μ V (mono), 40 μ V (stereo); S/N 84 dB (mono), 80 dB (stereo); THD at 1000 Hz, mono 0.04% (wide), 0.16% (narrow), at 1000 Hz, stereo 0.05% (wide), 0.15% (narrow); capture ratio 1.0 dB (wide), 2.0 dB (narrow); alternate channel selectivity 45 dB (wide), 60 dB at 300 kHz (narrow); stereo separation at 1000 Hz 55 dB (wide), 49 dB (narrow); frequency response 30-15,000 Hz +0.3/-0.5 dB; spurious rejection 120 dB; image rejection 110 dB; i-f rejection 105 dB. AM section: usable sensitivity 9 μ V; S/N 55 dB. 6¹/₁₆" H x 17¹/₁₆" W x 15¹/₁₆" D \$440

KT-615. Similar to KT-815 minus servo lock tuning with LED; has four-gang tuning capacitor in front end; FM S/N 81 dB (mono), and 78 dB (stereo), THD at 1000 Hz mono 0.05% (wide) and 0.17% (narrow), at 1000 Hz stereo 0.06% (wide) and 0.25% (stereo); alternate channel selectivity on narrow bandwidth 54 dB, stereo separation at 1000 Hz narrow 48 dB, frequency response 30-15,000 Hz +0.2/-1.5 dB, spurious rejection 105 dB, image rejection 85 dB, i-f rejection 100 dB; AM usable sensitivity 13 μ V and S/N 50 dB \$299

KT-413 AM-FM Stereo Tuner

Features frequency-linear five-ganged tuning capacitor and FET in front-end; one-touch left/right automatic sequential tuning with LED servo lock indicator; dial scanning and five-station AM and FM preselected scanning with LED; LED signal-strength bar display; FM mode selector; high/low stop level selector for strong/weak broadcast signals. FM section: usable sensitivity 1.9 μ V; 50-dB quieting 4.0 μ V (mono), 40 μ V (stereo); S/N 77 dB (mono), 72 dB (stereo); THD 0.1% (mono), 0.15% (stereo) at

1000 Hz; frequency response 30-15,000 Hz +0.2/-2 dB; capture ratio 1.0 dB; alternate channel selectivity 60 dB; spurious rejection 85 dB; image rejection 55 dB; i-f rejection 80 dB; stereo separation 50 dB at 1000 Hz. AM section: sensitivity 16 μ V; S/N 48 dB. 5¹/₁₆" H x 15¹/₁₆" W x 11" D. \$250

KT-313. Similar to KT-413 without automatic sequential tuning with LED servo lock and auto and preset scanning; THD 0.3% at 50 and 10,000 Hz; 11¹/₁₆" D \$179

KT-5500 AM-FM Stereo Tuner

Three-gang variable tuning capacitor with FET input. FM section: usable sensitivity 1.9 μ V; 50-dB quieting sensitivity mono 17.2 dBf, stereo 38.3 dBf; THD 0.15% at 1000 Hz mono, 0.2% at 1000 Hz stereo; frequency response 30-15,000 Hz +0.2/-2.0 dB; capture ratio 1.0 dB; stereo separation 45 dB at 1000 Hz; spurious rejection 80 dB; i-f response -90 dB; selectivity 60 dB. AM section: usable sensitivity 20 μ V; S/N 50 dB. Includes signal-strength and center-channel tuning meters and automatic and fixed muting switch. 5¹/₁₆" H x 14¹/₁₆" W x 11¹/₁₆" D \$175

Audio Purist Group

L-07TII FM Tuner

Features seven-section frequency-linear tuning capacitor and double-diffused dual-gate MOS FETs in front end; switchable i-f bandwidth; pulse-count detector circuitry; multiplex filter switch with LED; muting switch; signal-strength and tuning meters. Usable sensitivity 1.7 μ V; 50-dB quieting 3.0 μ V (mono), 40 μ V (stereo); S/N 84 dB (mono), 80 dB (stereo); THD at 1000 Hz, mono 0.035% (wide), 0.14% (narrow), at 1000 Hz, stereo 0.065% (wide), 0.2% (narrow); capture ratio 0.7 dB (wide), 1.3 dB (narrow); alternate channel selectivity 30 dB (wide), 100 dB at 400 kHz (narrow); stereo separation at 1000 Hz 52 dB (wide), 50 dB (narrow); frequency response 20-15,000 Hz +0.2/-1 dB; spurious and image rejection 120 dB; i-f rejection 110 dB; 3¹/₁₆" H x 18¹/₁₆" W x 13¹/₁₆" D \$625

LUX

T-12 FM Tuner

Quartz-locked FM tuner includes two-step i-f bandwidth selector (wide and narrow) and FM 5-gang variable capacitor and features "Accutouch" system for accurate center tuning. IHF usable sensitivity 10.3 dBf (1.8 μ V); 50-dB quieting sensitivity mono 16.0 dBf (3.3 μ V), stereo 14.2 dBf (2.8 μ V); capture ratio 0.8 dB (wide), 2 dB (narrow); S/N 80 dB; i-f response -100 dB; image response -100 dB; AM suppression 62 dB; alternate channel selectivity 60 dB (narrow), 30 dB (wide); stereo separation 50 dB (wide), 30 dB (narrow); frequency response 20-17,000 Hz -0.5 dB. Also features multipath check switch, recording test tone circuit, center tuning indicator, signal strength indicator, FM muting switch, FM muting level control, time delay muting circuit, and output level control. 3¹/₁₆" H x 17¹/₁₆" W x 12¹/₁₆" D \$695

T-4 AM-FM Stereo Tuner

Features center tuning meter, signal strength meter, FM muting level control, and FM muting switch. IHF usable sensitivity 10.3 dBf (1.8 μ V); 50-dB quieting sensitivity 14.7 dBf (3.0 μ V); capture ratio 2 dB; S/N 75 dB; i-f response -80 dB; image response -55 dB; AM suppression 60 dB; alternate channel selectivity 85 dB (narrow), 40 dB (wide); stereo separation 45 dB (wide), 80 dB (narrow); frequency response 20-15,000 Hz; THD mono 0.8% (wide), 0.2% (narrow). AM section: IHF usable sensitivity 200 μ V; i-f response -40 dB; image response -50 dB; S/N 50 dB; dist. 0.6% \$495

T-2. Similar to T-4 except capture ratio 1.5 dB; AM suppression 58 dB; selectivity 60 dB; stereo separation 45 dB at 1000 Hz; THD 0.3% \$495

Laboratory Reference Series

Luxman ST50 FM Stereo Tuner

Features full digital frequency synthesis; LED digital frequency readout; pushbutton tuning with scanning and predetermined channel (seven) modes.

full Dolby system; 400-Hz test tone; FM muting. Sensitivity 4.5 μ V (IHF); S/N 70 dB; capture ratio 1.1 dB; i-f response -100 dB; image response -100 dB; AM suppression 55 dB; stereo separation 40 dB (1000 Hz); output voltage 1 V (fixed) and 0-1 V (variable); 4" H \times 17.7" W \times 16" D \$1595

Luxman 5T10 FM Stereo Tuner

Features tuning lock system, i-f bandwidth selector, multipath check switch, recording test-tone circuit, center-tuning and signal-strength meters, FM muting switch, FM muting level control, and output level control. Usable mono sensitivity 10.3 dBf (1.8 μ V); 50-dB quieting mono sensitivity 15.6 dBf (3.3 μ V); THD 0.05% wide (1000 Hz), 0.06% narrow (1000 Hz); capture ratio 0.8 dB (wide), 2 dB (narrow); alternate channel selectivity 90 dB (narrow \pm 400 kHz); S/N 80 dB; spurious response ratio 100 dB; i-f response -100 dB; image response -100 dB; AM suppression 62 dB; stereo separation 50 dB wide, 30 dB narrow; output voltage 1 V (fixed), 0-1 V (variable); output impedance 100 ohms (fixed), 100-1250 ohms (variable). \$795

MARANTZ

2130 AM-FM Stereo Tuner

Features three-in oscilloscope display; quartz-lock FM tuning; dual-surface, acoustical-wave (SAW) filters; PLL FM multiplex demodulator; plug-in FM Dolby capability; selectable FM i-f bandwidth; record level tone switch; IHF sensitivity 9.3 dBf (1.6 μ V), 28 μ V for 50-dB quieting (stereo); 5 $\frac{3}{4}$ " H \times 16 $\frac{3}{8}$ " W \times 9 $\frac{7}{16}$ " D \$600

2110 AM-FM Stereo Tuner

Features three-in oscilloscope display; PLL FM multiplex demodulator; 25- μ sec Dolby de-emphasis network; IHF sensitivity 10.3 dBf (1.8 μ V), 40 μ V for 50-dB quieting (stereo); 5 $\frac{3}{4}$ " H \times 16 $\frac{3}{8}$ " W \times 9 $\frac{7}{16}$ " D \$380

ST400 AM-FM Stereo Tuner

Features dual-gate MOS FET r-f front end; electronic Gyro-Touch™ tuning with servo lock and FM digital frequency readout display; FM muting/mode and servo lock buttons; signal-strength and FM tuning meters. FM section: IHF usable sensitivity 1.8 μ V (mono); 50-dB quieting 2.5 μ V (mono); S/N 78 dB (mono), 70 dB (stereo); dist. at 1000 Hz 0.15% (mono), 0.25% (stereo); frequency response 30-15,000 Hz \pm 0.2/-1 dB; capture ratio 1.0 dB. AM usable sensitivity 20 μ V (IHF); 5 $\frac{3}{4}$ " H \times 16 $\frac{3}{8}$ " W \times 9 $\frac{7}{16}$ " D \$280

ST300. Similar to ST400 minus LED digital frequency readout display and servo lock tuning; FM 50-dB quieting 2.8 μ V (mono); FM S/N 75 dB (mono), 68 dB (stereo) \$225

McKAY DYMEK

AM7 International AM Tuner

AM-only (150-300 kHz and 540-1600 kHz) solid-state tuner. Sensitivity: 3 μ V medium-wave, 6 μ V long-wave at 10 dB S/N; -6 dB r-f bandwidth \pm 4 kHz (narrow), \pm 7.5 kHz (wide); -50 dB r-f bandwidth \pm 10 kHz (narrow), \pm 14 kHz (wide); THD (30% mod, 1 kHz) 0.5%, (80% mod, 1 kHz) 1.5%; audio output 1 V rms, 5000 ohms, +2 dBm, 600 ohm optional; tuning meter; 110/220 V, 60 Hz. 3.5" H \times 17.5" W \times 10" D \$365

AM5 AM Tuner

AM-only solid-state tuner. Sensitivity 3 μ V for 10 dB S/N; bandwidth -6 dB r-f; narrow mode \pm 4 kHz, wide mode \pm 10 kHz; modulation response -3 dB at 15 Hz and 9 kHz; THD (30% mod, 1 kHz) 0.5%; 80% modulation 1.5%; front-mounted slide volume control; 3.5" H \times 17.5" W \times 10" D (option 19-in rack-mount hardware); designed to be used with active directional antenna (Dymek DA5). \$340

MERIDIAN by ANGLO-AMERICAN

104 FM Tuner

Features dual-gate MOS FETs with double-balanced mixer in front end; six-station preset and one

standby position; tune switch (disables afc). Usable sensitivity 1 μ V; 50-dB quieting 2.5 μ V (mono); frequency response 15-15,000 Hz \pm 0.5 dB; dist. 0.1% (mono); S/N 67 dB (CCIR); separation 50 dB; 2" H \times 5.5" W \times 12" D \$555

METRON

DFM-1 AM-FM Stereo Tuner

Features dual MOS FETs and five-gang varactor tuning in front end; digitally-synthesized quartz-lock tuning with auto/manual up/down scan tuning and LED digital frequency readout display; 12-station memory preset in AM and FM modes; adjustable muting; wide/narrow i-f bandwidth selector; five-LED signal-strength indicator display; output level control. FM 50-dB quieting 39 μ V (stereo); S/N 70 dB (stereo); dist. 0.07% (stereo); capture ratio 1.2 dB; alternate channel selectivity 87 dB \$700

MITSUBISHI

DA-C20 Tuner-Preamplifier

AM/FM stereo combination has individual-channel preamplifiers and moving-coil head amplifier. Also features locked tuning, detent volume control and independent output level controls. FM section: sensitivity 11.2 dBf (2.0 μ V) mono, 22.7 dBf (7.5 μ V) stereo; 50-dB quieting sensitivity 19.2 dBf (5.0 μ V) mono, 39.2 dBf (50 μ V) stereo; S/N 75 dB (stereo); frequency response 30-15,000 Hz \pm 1 dB; THD (1000 Hz, 65 dBf) 0.08% stereo (wide), 0.5% (narrow); selectivity 45 dB (wide), 75 dB (narrow); capture ratio 0.8 dB (wide), 1.5 dB (narrow); stereo separation at 1000 Hz 45 dB (wide), 40 dB (narrow). AM section: sensitivity 45 dB (bar antenna); selectivity 30 dB; THD 0.8%. Preamplifier section: input sensitivity/impedance 0.1 mV/10 ohms (phono MC), 2.3 mV/50,000 ohms (phono MM, 100 pF), 150 mV/50,000 ohms (tuner, aux., play); output level max. 18 V; S/N (IHF "A") 77 dB (phono MC), 84 dB (phono MM), 110 dB (tuner, aux., play); THD 0.005% max.; channel separation at 20,000 Hz 80 dB (phono MC, MM), 100 dB (tuner, play). Other features include subsonic filter; separate tape monitoring and duplication; A/B or A+B speaker pushbutton selection; FM muting; separate tone controls with defeat switches; signal strength and tuning meters; front-panel headphone jack. 6 $\frac{3}{4}$ " H \times 16 $\frac{3}{4}$ " W \times 11 $\frac{1}{2}$ " D \$510

DA-F20 FM Stereo Tuner

Features both conventional tuning and digital frequency readout with a quartz PLL synthesizer; switchable selectivity; inter-station muting; signal-strength and center-tuning LEDs; tape record level check signal; variable and fixed output level. Specifications: sensitivity mono 11.2 dBf (2.0 μ V), stereo 22.7 dBf (7.5 μ V); 50-dB quieting sensitivity 19 dBf (5.0 μ V) mono, 39.2 dBf (50 μ V) stereo; S/N stereo 75 dB (wide), 70 dB (narrow); alternate channel selectivity 45 dB (wide), 75 dB (narrow); stereo separation 50 dB at 1000 Hz (narrow); THD at 1000 Hz and 65 dBf 0.08% (wide), 0.25% (narrow); capture ratio 0.8 dB (wide), 1.3 dB (narrow). 6 $\frac{3}{4}$ " H \times 16 $\frac{3}{4}$ " W \times 10 $\frac{3}{4}$ " D \$430

DA-C7 AM-FM Tuner-Preamp

Tuner-preamp docks physically and electrically with any of company's power amplifiers to provide receiver services. Tuner: features locked tuning sys-



tem with LED lock; signal-strength and tuning meters; wide/narrow FM i-f bandwidth selector; muting/mode and bandwidth selectors; pilot canceller circuit; FM sensitivity 2.0 μ V (mono), 7.8 μ V

(stereo); 50-dB quieting 5.5 μ V (mono), 55 μ V (stereo); S/N 73 dB stereo; frequency response 30-16,000 Hz \pm 0.5/-1 dB; THD at 1000 Hz stereo 0.1% (wide), 0.5% (narrow); capture ratio 1.0 dB (wide), 2.0 dB (narrow); stereo separation at 1000 Hz 45 dB (wide), 35 dB (narrow); AM sensitivity 200 μ V/m (bar antenna) and selectivity 25 dB. Preamp: features separate bass and treble controls with tone defeat for left and right channels; subsonic filter; balance control; two-speaker switching; two-way tape monitoring and dubbing; mode switch; input selector; input sensitivity/impedance 2.5 mV/50k ohms (phono), 150 mV/50k ohms (aux., tape); S/N (IHF A) 75 dB (phono), 99 dB (aux. and tape); THD 0.003%; 6 $\frac{3}{4}$ " H \times 16 $\frac{3}{4}$ " W \times 11 $\frac{1}{2}$ " D \$360

M-F01 FM Tuner

Miniature FM tuner with quartz-PLL synthesizer tuning; five-gang tuning condenser with dual-gate MOS-FETs and four-pole linear-phase LC filters; recording level check signal. Specifications: sensitivity 11.2 dBf (2.0 μ V) mono, 22.7 dBf (7.5 μ V) stereo; 50-dB quieting sensitivity 19.2 dBf (5.0 μ V) mono, 39.2 dBf (50 μ V) stereo; S/N 77 dB (stereo); capture ratio 1.0 dB; alternate channel selectivity 70 dB; image response -100 dB; i-f response -100 dB; AM suppression 65 dB; stereo separation 50 dB at 1000 Hz, 40 dB at 10,000 Hz; frequency response 30-16,000 Hz \pm 1 dB; THD at 1000 Hz 0.08% (mono), 0.1% (stereo). 2 $\frac{3}{4}$ " H \times 10 $\frac{5}{8}$ " W \times 9 $\frac{3}{4}$ " D \$340

DA-F10 AM-FM Stereo Tuner

AM-FM stereo tuner features switchable selectivity (wide and narrow). FM section: (stereo mode) usable sensitivity 7.8 μ V; S/N 70 dB; dist. at 65 dBf 0.1% (wide), 0.5% (narrow); alternate channel selectivity 45 dB (wide), 75 dB (narrow); stereo separation 45 dB at 1 kHz and 40 dB at 10 kHz (wide), 35 dB at 1 kHz and 30 dB at 10 kHz (narrow). AM section: usable sensitivity 45 dB/m; hum and noise -50 dB; 6 $\frac{3}{4}$ " H \times 16 $\frac{3}{4}$ " W \times 10 $\frac{3}{8}$ " D \$300

NAD (USA)

4080 AM-FM Stereo Tuner

Features dual-gate MOS FET front end; PLL IC multiplex demodulator; switchable signal-strength/multipath meter and tuning meter; 19-kHz pilot canceller; Dolby FM, muting, and multiplex filter switches; calibration tone selection; output level control. FM section: IHF usable sensitivity 1.8 μ V (mono); 50-dB quieting 3.0 μ V (mono), 35 μ V (stereo); S/N (A weighted) 74 dB (mono), 70 dB (stereo); frequency response 30-15,000 Hz \pm 0.5 dB; THD at 1000 Hz 0.2% (mono), 0.3% (stereo); capture ratio 1.0 dB; selectivity 70 dB \pm 400 kHz; image rejection 70 dB; i-f rejection 80 dB; stereo separation 40 dB at 1000 Hz. AM sensitivity 300 μ V; 5.5" H \times 17.7" W \times 14.2" D \$285

4030. Similar to 4080 minus signal-strength/multipath meter, output level control, Dolby FM, multiplex filter, and calibration tone switches; FM IHF usable sensitivity 1.9 μ V (mono); 50-dB quieting 3.5 μ V (mono), 45 μ V (stereo); S/N (A weighted), 72 dB (mono), 68 dB (stereo); capture ratio 1.5 dB; alternate channel selectivity 62 dB \pm 400 kHz; image rejection 50 dB; i-f rejection 60 dB; 5.5" H \times 15.4" W \times 10.6" D \$220

4020. Similar to 4030 except FM tuner only; 3.8" H \times 16.5" W \times 9.5" D \$175

NAKAMICHI

630 FM Tuner/Preamplifier

Features switchable phono input sensitivity (1, 2, or 5 mV); stepped tone and variable contour controls; independent tape copying; MOS FET front end; switchable i-f section selectivity (normal and narrow); PLL MPX demodulator; Dolby FM reception. Preamp section: frequency response 20-50,000 Hz \pm 0/-1.5 dB (aux., tape); RIAA equalization \pm 0.3 dB; S/N (IHF A) 102 dB (aux., tape), 80 dB (phono, 1 mV); phono overload 250 mV (1 kHz, 5 mV sensitivity). Tuner section: sensitivity 19 dBf (mono), 39

3

TUNERS

dBf (stereo); S/N 73 dB (Dolby off); separation 50 dB (1 kHz). 6¹/₁₆" H × 16" W × 9³/₁₆" D..... \$730

430 FM Tuner

Features MOS FET front end; SAW i-f filtering; switchable i-f bandwidth (normal and narrow); PLL MPX demodulator; self-lock tuning; optional Dolby FM circuit board. Specifications: sensitivity for 50-dB quieting 17.3 dBf (mono); THD 0.09% at 1000 Hz; S/N better than 70 dB at 65 dBf (mono); separation better than 50 dB at 1000 Hz. 3³/₃₂" H × 16" W × 8⁷/₁₆" D..... \$440
DB-100. Dolby FM circuit board for 430..... \$44

NIKKO

Gamma V Digital FM Stereo Tuner

Two-stage PLL-synthesized digital FM stereo tuner features five-gang linear variable tuning capacitor and dual-gate MOS FET front end; LED digital station frequency readout; automatic or manual tuning; tuner lock; muting threshold control; stereo/mono switch; five-LED signal strength; hi-blend switch; i-f band switch; six-station memory with auto scan and hold. Sensitivity 1.8 μV; S/N at 65 dBf 81 dB (mono), 75 dB (stereo); capture ratio 1.0 dB (wide), 1.5 dB (narrow); image response -120 dB; i-f response -120 dB; stereo separation at 1000 Hz 55 dB (wide), 45 dB (narrow); THD in mono 0.04% (wide), 0.08% (narrow), in stereo 0.07% (wide) and 0.2% (narrow). Rear-panel features include de-emphasis selector (25 μsec, 75 μsec), output level control, multipath check points, and Dolby adaptor provision. 2¹/₂" H × 19" W × 11³/₁₆" D..... \$700

Gamma I FM Stereo Tuner

Dual-gate MOS-FETs with wide and narrow i-f stage and PLL multiplex circuitry. Features signal-strength and center tuning meters; power on/off; stereo muting on/mono; output level control. Sensitivity 1.8 μV; selectivity 35 dB (wide), 85 dB (narrow); S/N 78 dB (mono), 75 dB (stereo); capture ratio 1.0 dB; stereo separation 50 dB (wide), 40 dB (narrow); spurious rejection 110 dB; THD 0.05% (wide), 0.08% (narrow); rack mountable. 2¹/₂" H × 19" W × 9" D..... \$400

NT-890 AM-FM Stereo Tuner

Features dual-gate FM MOS FET front end; quadrature detector; signal-strength and tuning meters; multiplex canceller; multipath distortion switch; AM/auto FM/mute/hi-blend/FM mono selector. FM section: usable sensitivity 1.9 μV; 50-dB quieting 14.2 dBf (mono), 30 dBf (stereo); S/N 72 dB (mono), 68 dB (stereo); THD 0.1% (mono), 0.2% (stereo); selectivity 65 dB; capture ratio 1.0 dB; spurious rejection 80 dB; image rejection 55 dB; i-f rejection 90 dB; stereo separation 50 dB at 1000 Hz; frequency response 20-20,000 Hz -1 dB; 5¹/₂" H × 16¹/₂" W × 14¹/₁₆" D..... \$220

NT-790 AM-FM Stereo Tuner

Features low-noise FET front end; LED signal-strength and tuning indicators; high blend filter and FM muting circuit switches. FM section: usable sensitivity 2.0 μV; 50-dB quieting 20 dBf (mono), 35 dBf (stereo); S/N 72 dB (mono), 60 dB (stereo); THD 0.2% (mono), 0.5% (stereo); capture ratio 1.5 dB; alternate channel selectivity 55 dB; spurious rejection 70 dB; image rejection 55 dB; i-f rejection 80 dB; stereo separation 40 dB at 1000 Hz; frequency response 30-15,000 Hz ±2 dB; 3³/₁₆" H × 16¹/₂" W × 14¹/₁₆" D..... \$180

ONKYO

T-909 FM Tuner

Digitally-synthesized FM tuner features dual-gate MOS FET in front-end and mixer circuit and tuned

buffer circuit in oscillator; quartz-controlled tuning with up/down scanning and LED digital frequency



display; seven-station preset automatic tuning; signal-strength meter; LED tuned and stereo indicators; multiplex i-c and pilot canceller circuits. Usable sensitivity (IHF) 1.7 μV (mono), 4 μV (stereo), 50-dB quieting 3 μV (mono), 35 μV (stereo); S/N 80 dB (mono), 74 dB (stereo); capture ratio 1.5 dB; image rejection 85 dB; i-f rejection 100 dB; spurious rejection 105 dB; alternate channel selectivity 80 dB (IHF); stereo separation 45 dB at 1000 Hz; frequency response 30-16,000 Hz +0.5/-2 dB; 3¹/₄" H × 17³/₄" W × 13³/₁₆" D..... \$950

T-4090 AM-FM Stereo Tuner

Features four-ganged variable tuning capacitor and dual-gate MOS FETs in front end; quartz-locked tuning circuitry with touch sensor tuning control; LED locked, tuned, flashing direction arrow, and stereo indicators; LED signal strength bar display; PLL multiplex IC circuit; recording level check switch; stereo noise filter, mute/lock, and 25-μsec FM de-emphasis switches; output level control. FM section: usable sensitivity 1.7 μV (mono), 4 μV (stereo); 50-dB quieting 3 μV (mono), 35 μV (stereo); S/N 76 dB (mono), 68 dB (stereo); capture ratio 1.3 dB; image rejection 90 dB; i-f rejection 100 dB; spurious rejection 95 dB; alternate channel selectivity 70 dB; stereo separation 40 dB at 1000 Hz; frequency response 30-15,000 Hz +0.5/-1.5 dB. AM section: usable sensitivity 25 μV; S/N 45 dB. 4¹/₁₆" H × 16¹/₂" W × 15³/₄" D..... \$340

T-4040 AM-FM Stereo Tuner

Features four-ganged variable tuning capacitor in FET front end; automatic servo-locked tuning with touch sensor tuning knob; LED locked, tuned, flashing direction arrow, and stereo indicators; LED signal-strength bar display; stereo noise filter and mute/lock switches; output level control; PLL IC multiplex; rear-panel three-position tuning sensor switch. FM section: usable sensitivity 1.9 μV (mono), 4.5 μV (stereo); 50-dB quieting 3.5 μV (mono), 35 μV (stereo); S/N 73 dB (mono), 66 dB (stereo); capture ratio 1.5 dB; image rejection 60 dB; i-f rejection 90 dB; spurious rejection 85 dB; alternate channel selectivity 60 dB (IHF); stereo separation 40 dB at 1000 Hz; frequency response 30-15,000 Hz +0.5/-1.5 dB. AM section: usable sensitivity 25 μV; S/N 45 dB. 4¹/₁₆" H × 16¹/₂" W × 15³/₄" D..... \$230

OPTONICA

ST-9405 AM-FM Stereo Tuner

Features digitally-synthesized tuning with auto search/scan tuning; LED digital frequency readout display; ten-station memory preset with LED indicators; wide/narrow i-f bandwidth selector with LED; threshold local/distant switch; air-check calibrator; 12-LED signal-strength bar graph display; three-LED tuning meter; hi-blend switch; FM muting; mode switch; multipath monitor switch; variable output terminal; pilot canceller. FM section: IHF usable sensitivity 1.7 μV (mono); S/N 75 dB (mono), 70 dB (stereo); frequency response 30-15,000 Hz ±1.5 dB; THD mono 0.1% (wide), 0.2% (narrow), stereo 0.2% (wide), 0.3% (narrow); IHF selectivity 35 dB (narrow), 80 dB (wide); stereo separation 50 dB (wide), and 45 dB (narrow) at 1000 Hz; ebony faceplate..... \$1000

ST-7405 AM-FM Stereo Tuner

Features Opto-Lock tuning system with LED indicator; LED digital frequency readout display; seven-LED signal-strength and center tuning meter displays; narrow/wide i-f bandwidth selector with LED; multipath monitor switch; air-check calibrator; pilot canceller; hi blend switch; FM muting switch; mode switch; variable output terminal. FM section: IHF

usable sensitivity 1.7 μV; S/N 75 dB (mono), 70 dB (stereo); frequency response 30-15,000 Hz ±1.5 dB; THD mono 0.1% (wide), 0.2% (narrow), stereo 0.2% (wide), 0.3% (narrow); IHF selectivity 35 dB (narrow), 80 dB (wide); stereo separation 50 dB (wide) and 45 dB (narrow) at 1000 Hz; ebony faceplate; 2.9" H × 19.9" W × 15.5" D..... \$400

ST-4405 AM-FM Stereo Tuner

Features five-LED signal-strength and three-LED tuning meter displays; air-check calibrator; high blend, FM muting and mode switches; pilot canceller; variable output terminal. FM section: IHF usable sensitivity 1.7 μV; S/N 75 dB (mono), 70 dB (stereo); frequency response 30-15,000 Hz ±1.5 dB; THD 0.2% (mono), 0.3% (stereo); IHF selectivity 65 dB; stereo separation 45 dB at 1000 Hz; ebony faceplate; 2.9" H × 16.9" W × 15.5" D..... \$250

ST-4201 AM-FM Stereo Tuner

Features dual gate MOS FET front end and PLL multiplex circuitry; i-f detector; FM air-check calibrator; dual tuning meters; muting; hi-blend switch. FM section: sensitivity 1.7 μV (IHF); frequency response 30-15,000 Hz ±1.5 dB; S/N 72 dB .. \$200
ST-4205. Same as ST-4201, except in ebony finish..... \$200

JC PENNEY

3710 FM Stereo Tuner

Features PLL multiplex circuitry; signal-strength and center-tuning meters; FM muting switch; multiplex filter; flywheel tuning knob; record level check; FM dipole antenna; quadrature detector for FM. IHF usable sensitivity 1.9 μV; quieting sensitivity 3.0 μV; mono and stereo THD 0.2%; S/N 72 dB mono; capture ratio 0.6 dB; alternate channel selectivity 70 dB; image rejection 85 dB; stereo separation 45 dB; frequency response 9-16,000 Hz..... \$230

3701 AM-FM Stereo Tuner

Features PLL multiplex circuitry; signal-strength and center-tuning meters; FM mute switch; flywheel tuning; FM dipole antenna. FM section: IHF sensitivity 1.9 μV; quieting sensitivity 3.0 μV; THD 0.2% (mono and stereo); S/N 75 dB mono; capture ratio 0.9 dB; alternate channel selectivity 55 dB; image rejection 50 dB; stereo separation 48 dB; frequency response 10-16,000 Hz. AM section: sensitivity 300 μV; S/N 50 dB..... \$160

PHASE LINEAR

5000 Series Two Stereo FM Tuner

Features dynamic range expander; multipath dist. indicator; PLL multiplex decoder; variable muting; variable outputs; 25 and 75 μsec de-emphasis; tuning and signal strength meters; IHF sensitivity 10.8 dBf (1.9 μV) mono, 20.8 dBf (6.0 μV) stereo; 50-dB quieting sensitivity 14.8 dBf (3.0 μV) mono, 34.8 dBf (30.0 μV) stereo; S/N 74 dB mono, 72 dB with expander; frequency response 20-15,000 Hz ±0.5 dB; capture ratio 1.2 dB (narrow); alternate channel selectivity 75 dB (narrow); stereo separation 42 dB (1 kHz); optional walnut cabinet available; 7" H × 19" W × 10" D..... \$580

5100 Series Two AM-FM Stereo Tuner

Features digitally-synthesized tuning with manual/auto up/down scan tuning and AM or FM six-station memory preset with LED indicators; LED digital frequency readout display; FM muting and record level check switches; five-LED signal-strength indicator display; PLL multiplex demodulator with auto pilot signal cancelling circuit; 25/75 μsec de-emphasis switch. FM section: usable sensitivity 1.9 μV (mono); 50-dB quieting 3.2 μV (mono), 41.1 μV (stereo); S/N 80 dB (mono), 75 dB (stereo); frequency response 20-15,000 Hz +0.2/-0.5 dB; dist. at 1000 Hz 0.05% (mono), 0.08% (stereo); capture ratio 1.0 dB; alternate channel selectivity 60 dB; image rejection 80 dB; i-f rejection 100 dB; spurious rejection 80 dB; stereo separation 55 dB at 1000 Hz. AM usable sensitivity 300 μV/m (IHF, ferrite antenna) and S/N 50 dB. 3¹/₂" H × 19" W × 12" D..... \$450

PHILIPS

AH673 AM-FM Stereo Tuner

Has signal strength/multipath and center tuning meters; function display lights; AM and FM output



level controls; FM muting; LED touch switches. FM section: sensitivity 3 μ V stereo; 50-dB quieting sensitivity 2.2 μ V mono, 30 μ V stereo; capture ratio 1 dB; AM response -50 dB; i-f response -110 dB; image response -110 dB; stereo separation 50 dB (1 kHz); hum and noise -72 dB. AM section: sensitivity 150 μ V/m (rod antenna); image response -68 dB; i-f response -52 dB; hum and noise -60 dB. 5 1/2" H x 18" W x 13 1/2" D \$530
AH6731. Black chassis..... \$550

AH185 AM-FM Stereo Tuner

Features illuminated FM tuning and signal-strength meters; flywheel tuning; stereo indicator light; AM antenna; output level control; mono mode; multiplex filter; and afc. FM section: usable sensitivity 1.7 μ V mono; 50-dB quieting sensitivity 3.5 μ V; capture ratio 1.2 dB; AM rejection 60 dB; i-f rejection 90 dB; image rejection 80 dB; stereo separation 50 dB at 1000 Hz. AM section: sensitivity 180 μ V/m; alternate channel selectivity 35 dB; image rejection 70 dB at 1400 Hz; i-f rejection 60 dB at 600,000 Hz. 5 1/2" H x 14" W x 14" D. \$330
AH1851. Black chassis..... \$350

PIONEER

TX-9800 AM-FM Stereo Tuner

Features quartz-locked tuning system with LED; signal-strength and center tuning meters; wide/narrow AM-FM i-f bandwidth selector; multiplex noise filter; FM muting/mode and function switches with LEDs; output level control. FM section: usable sensitivity 1.5 μ V (mono); S/N 83 dB (mono), 80 dB (stereo); capture ratio 0.8 dB (wide), 2.0 dB (narrow); alternate channel selectivity 30 dB (wide), 85 dB (narrow); stereo separation 55 dB at 1000 Hz (wide); 6 1/8" H x 17 1/16" W x 15 3/8" D..... \$450

TX-7800 AM-FM Stereo Tuner

Features dual-gate MOS FET and frequency-linear four-gang variable capacitor in front end; servo-lock/touch sensor tuning with servo re-lock (when system's power is turned on again); PLL IC multiplex demodulator; quadrature discriminator; LED signal-strength and tuning indicator display; function switch with LEDs; wide/narrow AM i-f bandwidth selector; multiplex noise filter; FM muting/mode switch; output level control. FM section: usable sensitivity 1.6 μ V (mono); 50-dB quieting 3.3 μ V (mono), 39.2 μ V (stereo); S/N 83 dB (mono), 79 dB (stereo); frequency response 20-15,000 Hz +0.2/-0.5 dB; dist. at 1000 Hz 0.05% (mono), 0.08% (stereo); capture ratio 1.0 dB; alternate channel selectivity 75 dB; image rejection 85 dB; i-f rejection 100 dB; spurious rejection 95 dB; stereo separation 50 dB at 1000 Hz. AM section: sensitivity 300 μ V/m (IHF, ferrite antenna), 15 μ V (IHF, external antenna); S/N 50 dB. 6 1/8" H x 17 1/16" W x 15 3/8" D \$350

TVX-9500 VHF/UHF TV Audio Tuner

Converts all VHF/UHF television audio signals to FM. Features VHF electronic tuning with LED channel indicators and front-panel touch buttons for channels 2-13; UHF rotary detent selector for channels 14-83 and fine tune control; i-f amplifier circuitry; one-stage differential amp and two-stage dc output amplifier circuitry; automatic frequency control. Specifications: 50-dB quieting sensitivity 32 dBf (22 μ V) at 25,000 Hz DEV.; S/N 65 dB; dist. at

65 dBf, 25,000 Hz DEV. 0.07% at 100 Hz, 0.07% at 1000 Hz, 0.2% at 6000 Hz; frequency response 50-10,000 Hz +0.5 dB/-1.0 dB; capture ratio 1.0 dB; alternate channel selectivity 25 dB; image response -50 dB (VHF), -40 dB (UHF); i-f response -50 dB (VHF), -55 dB (UHF); AM suppression ratio 50 dB; antenna input 300 ohms and 75 ohms (VHF), 300 ohms (UHF); output level/impedance 400 mV/4700 ohms. 3 7/8" H x 16 7/16" W x 13 3/4" D \$250

TX-6800 AM-FM Stereo Tuner

Features FET and three-gang variable capacitor in front end; PLL multiplex; quadrature discriminator; built-in pilot canceller circuit; LED signal-strength and tuning indicator display; function switch with LEDs; FM muting. FM section: usable sensitivity 1.9 μ V (mono); 50-dB quieting 3.1 μ V (mono), 44 μ V (stereo); S/N 80 dB (mono), 74 dB (stereo); frequency response 20-15,000 Hz +0.5/-1.0 dB; dist. at 1000 Hz 0.1% (mono), 0.2% (stereo); capture ratio 1.0 dB; alternate channel selectivity 60 dB; image rejection 60 dB; i-f rejection 80 dB; spurious rejection 70 dB; stereo separation 40 dB at 1000 Hz. AM section: sensitivity 300 μ V/m (IHF, ferrite antenna), 15 μ V (IHF, external antenna); S/N 50 dB. 5 1/8" H x 17 3/4" W x 11 3/16" D... \$200

ROTEL

RT-2100 FM Stereo Tuner

Quartz PLL FM tuner with built-in Dolby noise-reduction circuit. Features quartz PLL tuning and multiplex section with dual wide/narrow band selection; LED signal-strength and center-tuning configuration readout, digital station readout; FM muting switch; multipath switch; flywheel tuning. IHF sensitivity 1.6 μ V mono, 29 dBf stereo; mono S/N 80 dB (IHF); stereo HD 0.07% (wide), 0.2% (narrow); capture ratio 1.0 dB; IHF alternate channel selectivity 35 dB (wide), 80 dB (narrow); stereo separation 50 dB (wide) at 1000 Hz; image and i-f rejection 115 dB; AM suppression 55 dB; frequency response 30-15,000 Hz \pm 0.5 dB. 5 3/8" H x 19" W x 12 7/8" D \$600
RT-2000. Similar to RT-2100 but AM section included; IHF sensitivity 9.3 dBf (1.6 μ V) mono, 30 dBf stereo; stereo HD 0.1%; capture ratio 1.0 dB; alternate channel selectivity 75 dB (IHF); frequency response 30-15,000 Hz +0.5/-1 dB; stereo separation 45 dB at 1000 Hz. AM section: IHF sensitivity 12.5 μ V; S/N 50 dB; image rejection 60 dB; selectivity 40 dB. Features similar less LED meter displays and Dolby noise-reduction circuit; has signal-strength and tuning meters. \$430

RT-1000 AM-FM Stereo Tuner

Features FET front end; PLL multiplex section; LED signal-strength and tuning indicators; hi-blend and muting switch; FM section: usable sensitivity 1.9 μ V (mono); 50-dB quieting sensitivity 3.8 μ V (mono); S/N 70 dB (mono); 65 dB (stereo); dist. 0.3% at 1000 Hz (stereo); capture ratio 1.5 dB; i-f rejection 60 dB; stereo separation 40 dB at 1000 Hz, AM usable sensitivity 200 μ V/m (IHF, ferrite antenna); selectivity 30 dB; 3 7/8" H x 16 1/16" W x 11 1/32" D \$250

SAE

8000 FM Digital Tuner

Features LED digital frequency display; five-gang, dual-gate FET front end; log meters for center-channel tuning and signal strength. Sensitivity 8.5 dBf (1.6 μ V); linear-phase monolithic i-f filters with PLL MPX circuitry; 0.2% THD; capture ratio 1.5 dB; AM suppression 100 dB; image rejection 100 dB; selectivity 120 dB; stereo separation 30 dB (over 50-15,000 Hz); 5.25" H x 19" W x 11" D.... \$700

T14 AM-FM Stereo Tuner

Features varactor front end; LED digital frequency readout; quartz-lock and synthesized touch tuning; five-station memory preset for AM and FM; LED signal-strength/multipath and output level bar graph displays; variable i-f bandwidth selector; linear

phase filters; PLL multiplex filter. 50-dB quieting 34.8 dBf (stereo); S/N 76 dB; THD 0.15% (stereo) \$550

3200 FM Digital Tuner

Features digital frequency readout; front-end and linear-phase filters; signal-strength and center tuning LED displays; 75- and 300-ohm antenna inputs; tape out jack. IHF usable sensitivity 10.3 dBf (1.8 μ V); 50-dB quieting sensitivity 37.2 dBf (40 μ V); dist. less than 0.2% stereo, 0.15% mono; stereo separation 35 dB from 50-10,000 Hz.. \$400

T7 AM-FM Stereo Tuner

Features digital frequency readout; quartz-lock tuning; LED signal-strength/multipath and output level bar graph displays. 50-dB quieting 34.8 dBf (stereo); S/N 67 dB; THD 0.22% (stereo), 0.11% (mono) \$375

T3U AM-FM Stereo Tuner

Features linear AM-FM dial; signal-strength and FM center-channel tuning meters; PLL multiplex; illuminated pushbutton modes. IHF usable sensitivity 10.3 dBf (1.8 μ V); capture ratio 1.5 dB; THD 0.15% mono, 0.25% stereo \$275

SANSUI

TU-X1 AM-FM Stereo Tuner

Features separate AM and FM tuning systems with signal-strength (combined signal-strength/multi-



path in FM) and tuning meters, switchable output level control, switchable muting, and wide/narrow i-f bandwidth controls in each section; seven-gang tuning capacitor; dc composite and dc audio output amplifier circuitry; 200-V μ sec multiplex driver in FM section and synchronized PLL product detector circuitry in AM section; LED AM and FM wide and narrow and FM stereo indicators; calibration tone switch control; noise filter; upper/lower beat canceller. FM IHF sensitivity 1.49 μ V; 50-dB quieting sensitivity 34.0 dBf (stereo); dist. 0.03% (stereo); selectivity 80 dB (narrow band), 55 dB (wide band); S/N 80 dB (stereo); matte black finish..... \$980

TU-919 AM-FM Stereo Tuner

Digitally-controlled quartz-locked AM-FM stereo tuner features four-digit frequency readout; signal-strength and tuning meters; calibration tone selector; FM muting switch; two i-f wide/narrow bandwidth selectors for AM and FM; auto noise filter; input selector for auto/mono FM and AM; output level control; LED FM stereo and quartz lock indicators. FM section: IHF sensitivity 1.54 μ V; 50-dB quieting 34.0 dBf; dist. 0.06% (stereo); S/N 82 dB; capture ratio 0.9 dB; matte black finish with detachable rack-mount handles..... \$585

TU-717 AM-FM Stereo Tuner

Features dual-gate MOS FETs and four-gang tuning capacitor in front end; wide/narrow i-f bandwidth selector; signal-strength and tuning meters; calibration level control; muting and noise canceller controls; output level control; input selector for mono and auto FM and AM with LEDs. FM section: IHF sensitivity 4.9 μ V (stereo), 1.7 μ V (mono); 50-dB quieting sensitivity 27.5 μ V (stereo), 2.24 μ V (mono); S/N 81 dB (mono), 78 dB (stereo); frequency response 30-15,000 Hz +0.2/-2 dB; THD 0.07% (stereo, wide), 0.2% (stereo, narrow); capture ratio 1.0 dB (wide), 1.5 dB (narrow); matte black finish with EIA rack mount handles and feet; 6 3/8" H x 18 3/16" W x 16 1/2" D..... \$370

TU-417 AM-FM Stereo Tuner

Features FET r-f stage, i-f section with three differential amplifier limiter stages, and four-element lin-

ear phase ceramic filter; PLL stereo demodulator; signal-strength and tuning meters; switchable muting and noise canceller selectors; output level control; input selector for auto/mono FM and AM with FM stereo LED. FM section: IHF sensitivity 10.1 dBf (mono); frequency response 20-15,000 Hz +0.5/-1 dB; dist. 0.07% (mono), 0.09% (stereo); satin-black front panel with detachable rack-mount handles \$275

TU-317. Similar to TU-417 except IHF FM sensitivity 1.8 μ V (10.3 dBf); capture ratio 1.0 dB; frequency response 30-15,000 Hz +0.5/-1.0 dB \$240

TU-217. Similar to TU-317 without noise-canceller circuitry; combined muting and auto/mono FM mode switch; FM sensitivity 1.85 μ V (IHF); dist. 0.12% (mono), 0.13% (stereo) \$190

SANYO

PLUS T55 AM-FM Stereo Tuner

Features four varactor tuning diodes in FM front end; quartz-lock frequency synthesizer digital tuning with LED analog and frequency digital readout display; 12-station memory tuning with LEDs; fluorescent signal-strength and FM tuning display; variable FM muting threshold; wide-narrow i-f bandwidth selector; passive four-pole LC multiplex filter; input selector and output level control. FM section: usable sensitivity 1.8 μ V (mono); 50-dB quieting 3.0 μ V (mono), 36 μ V (stereo); THD at 1000 Hz, mono 0.15% (narrow), 0.09% (wide), stereo 0.2% (narrow), 0.1% (wide); frequency response 20-15,000 Hz +1/-2 dB; alternate channel selectivity 80 dB (narrow), 55 dB (wide), \pm 400 kHz; capture ratio 1.8 dB (narrow), 1.2 dB (wide); stereo separation 42 dB (narrow), and 48 dB (wide) at 1000 Hz; spurious rejection 80 dB; image rejection 70 dB; i-f rejection 90 dB. AM section; usable sensitivity 300 V/m (ferrite, external antenna); S/N 45 dB. Includes rack-mount handles; 1 $\frac{3}{4}$ " H \times 17 $\frac{1}{4}$ " W (19" with handles) \times 10 $\frac{5}{8}$ " D \$350

PLUS T35. Similar to PLUS T55 without 12-station memory preset; features "sampling quartz locked" tuning system with illuminated analog tuning dial, digital frequency readout, and on/off locked switch; record level calibration oscillator \$300

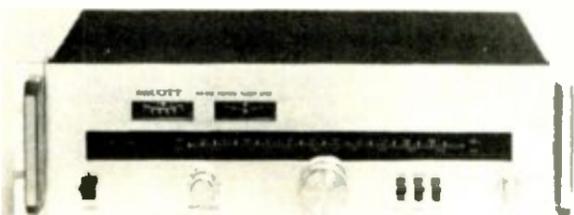
FMT 611K AM-FM Stereo Tuner

MOS-FET FM front end with ceramic i-f filters and PLL multiplex decoder. Features FM muting switch; signal-strength and center-channel tuning meters; multiplex noise switch; FM stereo indicator; flywheel tuning. FM section: IHF usable sensitivity 10.8 dBf (1.9 μ V); S/N 75 dB mono, 65 dB stereo; dist. at 1000 Hz 0.08% mono, 0.02% stereo; capture ratio 1.0 dB; alternate channel selectivity 70 dB; image and i-f rejection 55 dB; AM rejection 50 dB; stereo separation 45 dB at 1000 Hz; 300- and 75-ohm antenna inputs. AM section: IHF sensitivity 300 μ V/m; selectivity 43 dB; S/N 65 dB; image rejection 50 dB; i-f rejection 48 dB; built-in antenna. 5 $\frac{7}{8}$ " H \times 16 $\frac{1}{2}$ " W \times 13 $\frac{3}{4}$ " D \$160

H.H. SCOTT

570T AM-FM Stereo Tuner

Features four-gang FM tuning capacitor and dual-gate MOS FET in front end; PLL multiplex demodu-



lator; signal-strength and tuning meters; multiplex filter, mode and muting switches; output level con-

lator; rear-panel 25/50/75 μ sec de-emphasis switch. FM section: IHF sensitivity 1.8 μ V; 50-dB quieting sensitivity 3.5 μ V (mono), 33 μ V (stereo); S/N 75 dB (mono), 70 dB (stereo); frequency response 25-15,000 Hz \pm 2 dB; dist. 0.1% (mono), 0.2% (stereo); capture ratio 1.0 dB; alternate channel selectivity 70 dB; image rejection 80 dB; i-f and spurious response rejection 90 dB; stereo separation 50 dB at 1000 Hz. AM usable sensitivity 250 μ V/m (bar antenna) and S/N 50 dB. 5 $\frac{1}{4}$ " H \times 17" W \times 11 $\frac{3}{4}$ " D \$250

530T AM-FM Stereo Tuner

Features four-gang FM tuning capacitor and dual-gate MOS FETs in front end; combined signal-strength/center tuning meter; muting and mode switches; rear-panel 25/50/75 μ sec de-emphasis switch. FM section: IHF sensitivity 1.9 μ V; 50-dB quieting sensitivity 3.8 μ V (mono), 35 μ V (stereo); S/N 72 dB (mono), 67 dB (stereo); frequency response 25-15,000 Hz \pm 2 dB; dist. 0.15% (mono), 0.3% (stereo); capture ratio 1.5 dB; alternate channel selectivity 60 dB; image rejection 65 dB; i-f rejection 85 dB; spurious rejection 80 dB; stereo separation 45 dB at 1000 Hz. AM usable sensitivity 250 μ V/m (bar antenna) and 45 dB S/N. 5 $\frac{1}{4}$ " H \times 17" W \times 11 $\frac{3}{4}$ " D \$200

SERIES 20

F-26 FM Tuner

Features quartz-locked sampling tuning; three-LED tuning indicators; wide/narrow i-f bandwidth selector with LED; FM muting. IHF usable sensitivity 1.9 μ V (mono); 50-dB quieting 2.5 μ V (mono), 33.5 μ V (stereo); S/N 87 dB (mono), 84 dB (stereo); dist. at 1000 Hz 0.03% (mono), 0.05% (stereo); frequency response 20-15,000 Hz +0.1/-0.3 dB; capture ratio 2.0 dB (narrow); alternate channel selectivity 80 dB \pm 400 kHz (narrow); image, i-f, and spurious rejection 120 dB; stereo separation 55 dB at 1000 Hz. 3 $\frac{3}{8}$ " H \times 16 $\frac{1}{8}$ " W \times 14" D \$1000

F-28 FM Tuner

Features quartz synthesizer tuning; signal-strength meter; record level and multiplex filter switches; wide/narrow i-f bandwidth selector; muting and mode switches; output level control. Usable sensitivity 1.8 μ V (mono); 50-dB quieting 2.8 μ V (mono), 35 μ V (stereo); S/N 84 dB (mono), 81 dB (stereo); dist. at 1000 Hz, mono 0.04% (wide), 0.08% (narrow), stereo 0.05% (wide), 0.15% (narrow); frequency response 20-15,000 Hz +0.1/-0.3 dB; capture ratio 0.8 dB (wide), 1.5 dB (narrow); alternate channel selectivity 35 dB (wide), 70 dB (narrow); spurious, image, and i-f rejection 120 dB; stereo separation 55 dB at 1000 Hz (wide). 6 $\frac{1}{8}$ " H \times 16 $\frac{3}{8}$ " W \times 14 $\frac{1}{8}$ " D \$690

SHARP

ST-1122 AM-FM Broadcast Tuner

FET front-end AM-FM stereo tuner features "air check," 400-Hz tone generator for recording FM broadcasts, frequency linear slide-rule tuning, center-channel FM tuning and signal-strength meters, AM/FM/mono/FM muting pushbutton selector switches, and LED stereo and power on indicators. FM section: IHF sensitivity 2.0 μ V; capture ratio 1 dB; S/N 70 dB; IHF selectivity 60 dB; image rejection 50 dB; i-f rejection 90 dB; AM suppression 50 dB; dist. 0.3% at 400 Hz (mono and stereo); stereo separation 45 dB at 1000 Hz, 35 dB from 50-10,000 Hz; frequency response 30-15,000 Hz \pm 1.5 dB. AM section: quieting sensitivity 300 μ V/m; selectivity 25 dB; S/N 42 dB; image rejection 50 dB; i-f rejection 30 dB. 5 $\frac{5}{8}$ " H \times 15 $\frac{3}{8}$ " W \times 10 $\frac{1}{8}$ " D \$270

ST-1144. Similar to ST-1122 except FM sensitivity 1.9 μ V \$350

SHERWOOD

S-32 CP AM-FM Stereo Tuner

Features cross-coupled PLL stereo multiplex demo-

ulator; high inertia flywheel tuning; signal-strength and tuning meters; multiplex noise filter; FM muting; output level control; selector switch with LEDs. FM section: IHF usable sensitivity 1.7 μ V (mono); 50-dB quieting 2.8 μ V (mono); IHF S/N 74 dB (mono), 68 dB (stereo); frequency response 20-15,000 Hz +1/-2 dB; THD at 1000 Hz 0.1% (mono), 0.2% (stereo); capture ratio 1.0 dB; alternate channel selectivity 70 dB; image rejection 60 dB; i-f rejection 75 dB; spurious rejection 85 dB; stereo separation 45 dB at 1000 Hz. AM sensitivity 15 μ V. 5 $\frac{1}{4}$ " H \times 17" W \times 12 $\frac{3}{4}$ " D \$290

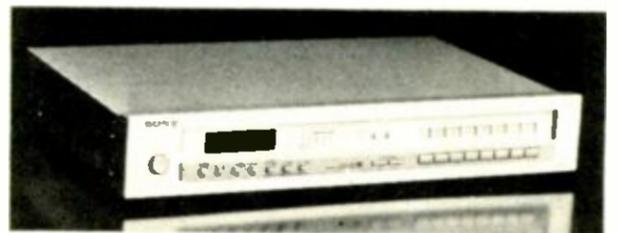
SONY

ST-A7B FM Stereo Tuner

Quartz-crystal frequency synthesis FM tuner with "X-tal Lock" tuning system which eliminates need for center-tuning and AFC circuit. Features digital frequency display; linear tuning dial with LED; i-f bandwidth selector; signal-strength tuning meter with switchable multipath; connections for FM Dolby adaptor and 25 μ sec de-emphasis; adjustable interstation-noise muting threshold; adjustable output level for program-source level matching; hi-blend switch. Usable sensitivity 8.8 dBf (1.5 μ V); 50-dB quieting sensitivity 14.2 dBf (2.8 μ V) mono, 34.6 dBf (30 μ V) stereo; S/N 80 dB mono, 75 dB stereo; capture ratio 0.8 dB (normal), 1.8 dB (narrow); alternate channel selectivity 50 dB at 400,000 Hz (normal) 120 dB at 400,000 Hz (narrow); image rejection 90 dB; AM suppression 60 dB; THD and IM dist. mono 0.04% at 1000 Hz (normal), 0.2% (narrow), stereo 0.08% (normal) 0.3% (narrow); frequency response 20-15,000 Hz +0.2/-0.5 dB; stereo separation 55 dB at 1000 Hz (normal), 45 dB at 1000 Hz (narrow); output 750 mV fixed, 1.5 V variable. Brushed aluminum finish. 6 $\frac{3}{4}$ " H \times 18 $\frac{1}{8}$ " W \times 16 $\frac{3}{8}$ " D \$900

ST-J60 FM Stereo Tuner

Features varactor diode and MOS FET amplification in front end; quartz lock frequency synthesis tuning



with LED digital frequency readout; eight-station memory preset with LEDs; manual or autotune tuning; LED multipath/signal strength meter display with selector; defeatable muting and built-in 400-Hz calibration test tone controls; front-panel insert cards to indicate preset stations. 50-dB quieting sensitivity 3.5 μ V (mono), 40 μ V (stereo); S/N 77 dB (mono), 72 dB (stereo); frequency response 30-15,000 Hz +0.2/-0.5 dB; THD and IM dist. at 1000 Hz 0.06% (mono), 0.08% (stereo); capture ratio 1.0 dB; alternative channel selectivity 85 dB at 400 Hz; image rejection 85 dB; i-f rejection 95 dB; spurious response -100 dB; stereo separation 50 dB at 1000 Hz; AM suppression 60 dB; 3 $\frac{3}{4}$ " H \times 17" W \times 12 $\frac{1}{4}$ " D \$400

ST-A6B FM Stereo Tuner

Features seven-gang tuning capacitor and dual-gate MOS FET r-f front end; PLL IC stereo multiplex stage; i-f bandwidth selector; signal-strength/multipath and center tuning meters with selector; 400-Hz test-tone calibrator; interstation-noise muting switch; adjustable output level control; hi-blend switch. Usable sensitivity 1.7 μ V; 50-dB quieting 3.4 μ V (mono), 39 μ V (stereo); S/N 79 dB (mono), 74 dB (stereo); capture ratio 1.0 dB (normal), 1.2 dB (narrow); frequency response 30-15,000 Hz +0.2/-1.5 dB; THD and IM dist. at 1000 Hz, mono 0.08% (normal), 0.2% (narrow), stereo 0.15% (normal), 0.4% (narrow); alternative channel selectivity 55 dB (normal), 85 dB (narrow); image rejection 120 dB; stereo separation at 1000 Hz 45 dB (normal), 40 dB (narrow); 6 $\frac{3}{8}$ " H \times 16 $\frac{3}{8}$ " W \times 12 $\frac{3}{8}$ " D \$310

ST-A30 AM-FM Stereo Tuner

Features MOS-FET front end; PLL IC multiplex sys-

tem; "Acute Servo Lock" indicator; LED signal-strength indicators; hi-blend switch; 50-dB quieting 16.1 dBf (mono), 37.3 dBf (stereo); S/N 70 dB (mono), 60 dB (stereo); selectivity 75 dB at 400 Hz; 3 1/4" H x 17" W x 12 1/4" D \$220

Precise Series

ST-P7J Mini FM Stereo Tuner

Features varactor diodes and MOS FET front end; quartz lock frequency synthesis tuning with LED digital frequency display; eight-station memory preset; manual or autoscanning tuning; LED signal-strength meter display; defeatable muting; front-panel inset cards indicate preset stations; feather-touch function controls with LEDs. 50-dB quieting sensitivity 3.5 μ V (mono), 40 μ V (stereo); S/N 77 dB (mono), 72 dB (stereo); frequency response 30-15,000 Hz +0.2/-0.5 dB; THD and IM dist. at 1000 Hz 0.06% (mono), 0.08% (stereo); capture ratio 1.0 dB; selectivity 85 dB at 400 Hz; image rejection 85 dB; i-f rejection 95 dB; spurious rejection 100 dB; stereo separation 50 dB at 1000 Hz; AM suppression 60 dB; complements Precise Series TA-P7F integrated amplifier and PS-P7X turntable; 3 1/4" H x 8 1/2" W x 13" D \$500

SPECTRO ACOUSTICS

220R FM Tuner

Features digitally-synthesized tuning with built-in LED frequency/clock readout display. IHF usable sensitivity 0.9 μ V (mono), 1.8 μ V (stereo); 50-dB quieting 3 μ V (mono), 28 μ V (stereo); S/N 70 dB (mono), 65 dB (stereo); frequency response 30-16,000 Hz \pm 1 dB; dist. 0.15% (stereo); capture ratio 1.5 dB; alternate channel selectivity 75 dB; image rejection 100 dB; stereo separation 42 dB at 1000 Hz; 3 1/2" H x 19" W x 9" D \$500

STUDER/REVOX

B760 FM Digital Tuner

Digital frequency synthesizer FM tuner with manual or memory tuning capacity of up to 15 pre-tuned



channels through pushbutton operation; five-digit LED front-panel display of station frequencies; variable muting and separation; Dolby-B card option available; logarithmic signal-strength and center-tuning meters; multipath scope output; 50-dB quieting sensitivity 2.5 μ V; capture ratio 0.9 dB; spurious, image, and i-f rejection 106 dB or better; mid-band separation 42 dB; AM suppression 75 dB; THD less than 0.15% (stereo and mono); S/N 75 dB; 6" H x 17 3/4" W x 13 3/4" D \$1649

TECHNICS

ST-9038 FM Stereo Tuner

Quartz-synthesizer FM stereo tuner. Features quartz-oscillated digital program readout; three-position muting switch; mode switch for pink noise, auto, and mono; auto hi-blend on/off; power on/off; auto tune down/up dial and main auto tuning dial. IHF sensitivity 12.8 dBf (1.2 μ V) at 75 ohms; 50-dB quieting sensitivity at 75 ohms 18.1 dBf (2.2 μ V) mono, 38.1 dBf (22 μ V) stereo; THD 0.1% (mono), 0.15% (stereo); S/N 75 dB (mono); frequency response 20-18,000 Hz +0.1/-0.5 dB; capture ratio 1.0 dB; alternate channel selectivity 75 dB; image response -105 dB; i-f response -105 dB; spurious response -105 dB; AM suppression 55 dB; stereo separation 45 dB at 1000 Hz; output level 0-1.5 V. 1 23/32" H x 18 3/8" W x 11 1/32" D \$600
SH-9038. 32-step microprocessor-controlled programming unit (see Section 14, Accessories, under "Technics by Panasonic") \$600

ST-9030 FM Stereo Tuner

Professional Series component; has automatic narrow and wide i-f bandwidth selection; PLL MPX IC circuitry; pilot and subcarrier cancelling circuits; servo tuning circuit; eight-ganged variable tuning capacitor; signal meter (linear to 81 dBf); sensitivity 1.2 μ V; 50-dB quieting sensitivity at 75 ohms 18.1 dBf (2.2 μ V) mono, 38.1 dBf (22 μ V) stereo; THD at 1000 Hz 0.08% (mono and stereo wide), 0.15% (mono narrow), 0.3% (stereo narrow); S/N 80 dB mono; frequency response 20-18,000 Hz +0.1/-0.5 dB variable; capture ratio 0.8 dB (wide), 90 dB (narrow); alternate channel selectivity 25 dB (wide), 90 dB (narrow); image response -135 dB; i-f response -135 dB; AM suppression 58 dB (wide); stereo separation 50 dB (1 kHz, wide) \$460

ST-8077 AM-FM Stereo Tuner

Features active servo-lock fine tuning circuit with active sensor LED tuning indicator; SAW i-f filter; 19-kHz pilot-signal canceller circuit; built-in signal generator; three-step muting adjust with LED; pearl-grey metal cabinet \$300

ST-8044 AM-FM Stereo Tuner

Features MOS FET front end; PLL multiplex IC demodulator; quadrature FM detector; active servo lock fine tuning; five-LED signal strength display; LED center-tuning indicator; FM muting; pearl grey metal cabinet \$200

ST-8011 AM-FM Stereo Tuner

Features MOS FET front end; PLL multiplex IC demodulator; active servo lock tuning; two-color LED dial pointer that indicates signal-strength and station tuned; center tuning LED; AM and FM interstation muting/mode switch; pearl grey metal cabinet \$170

TOSHIBA

F15 Micro FM Stereo Tuner

Features PLL quartz crystal digital synthesizer tuning with up/down scan tuning and LED digital frequency/memory channel readout; ten-station memory preset; mono and rec calibration switches; manual/auto mode. Usable sensitivity 0.95 μ V; S/N 72 dB (mono), 68 dB (stereo); frequency response 20-15,000 Hz +0.2/-0.8 dB; dist. at 1000 Hz 0.15% (mono), 0.25% (stereo); capture ratio 1.0 dB; alternate channel selectivity 75 dB; image rejection 50 dB; i-f rejection 80 dB; spurious rejection 100 dB; stereo separation 45 dB at 1000 Hz; silver finish; 2.1" H x 10.1" W x 7.7" D \$360
F15B. Black finish \$370

ST-665 AM-FM Stereo Tuner

Features PLL quartz crystal digital synthesizer tuning with up/down scan tuning and LED digital fre-



quency readout display; six-station memory preset for AM and FM; five-LED signal-strength bar display; function, mode, and record calibration controls. FM section: usable sensitivity 1.8 μ V (mono); S/N 72 dB (mono), 68 dB (stereo); frequency response 20-15,000 Hz +0.5/-1.5 dB; dist. 0.15% (mono), 0.2% (stereo); capture ratio 1.0 dB; alternate channel selectivity 80 dB; image rejection 60 dB; spurious rejection 75 dB; stereo separation 45 dB at 1000 Hz. AM usable sensitivity 300 μ V/m and S/N 50 dB; 2.3" H x 16.5" W x 11.5" D. \$300

ST-420 AM-FM Stereo Tuner

Incorporates FET and frequency linear four-gang variable capacitor in front end; PLL IC MPX circuitry; built-in calibrator for air check level; variable output; FM vertical and horizontal multipath outputs; signal and tuning meters. FM IHF usable sensitivity 1.9 μ V (mono); S/N 72 dB (mono), 68 dB (stereo); frequency response 20-15,000 Hz \pm 1 dB; THD 0.2% (mono), 0.3% (stereo); capture ratio 1.0 dB; alternate channel selectivity 70 dB; image re-

jection 85 dB; i-f rejection 90 dB; spurious rejection 100 dB; stereo separation 45 dB at 1000 Hz; AM sensitivity 300 μ V/m; 5.8" H x 17.7" W x 14.8" D \$230

ST-335 AM-FM Stereo Tuner

Features FET front end with ceramic filters; PLL IC MPX circuitry; twin tuning meters; linear tuning scale; tuning knob; built-in FM broadcast reference signal; FM muting/mode switch; LED stereo indicator. FM section: sensitivity (IHF) 11.2 dBf (2.0 μ V); S/N 73 dB (mono), 65 dB (stereo); capture ratio 1.0 dB; alternate channel selectivity 60 dB; stereo separation 40 dB at 1000 Hz; frequency response 30-15,000 Hz \pm 1 dB. AM section: sensitivity 300 μ V/m; S/N 45 dB; selectivity 25 dB. 3 1/8" H x 16 1/2" W x 10 1/8" D \$160

YAMAHA

T-2 FM Stereo Tuner

Features digital frequency display; r-f mode selector; i-f mode selector; automatic DX; digital readout; slide-rule dial; 330-Hz record calibration; signal Q meter. FM usable sensitivity 8.8 dBf (1.5 μ V); 50-dB quieting sensitivity 13.2 dBf (2.5 μ V) mono, 34.2 dBf (28 μ V) stereo; THD 0.05% (mono and stereo); S/N 88 dB (mono); frequency response 10-18,000 Hz +0.3/-3 dB; capture ratio 1 dB; alternate channel selectivity 100 dB; image response -120 dB; i-f response -120 dB; AM suppression 60 dB; stereo separation 55 dB at 1000 Hz; output 0.5 V fixed, 1 V variable. 2 3/4" H x 17 1/8" W x 13 3/4" D \$750

CT-1010 AM-FM Stereo Tuner

Has PLL multiplex decoder; wide-gap five-gang variable capacitor; image response -110 dB; sensitivity 1.9 μ V; 19-kHz pilot carrier cancellation; manual tuning with automatic disengagement of afc; muting circuit; signal strength/quality and center-zero metering; 333-Hz recording signal calibration generator \$385
CT-810. Similar to CT-1010 but has -90 dB image response and 1.8 μ V sensitivity \$285

T-1 AM-FM Stereo Tuner

Features DX selection circuitry for automatic selection of i f bandwidth; signal quality meter; record calibration system; direct-current amplifiers. FM section: usable sensitivity 9.8 dBf (1.7 μ V); 50-dB quieting sensitivity 14.8 dBf (3 μ V) mono, 36 dBf (35 μ V) stereo; THD 0.05% (mono and stereo); S/N 80 dB (mono); frequency response 30-15,000 Hz \pm 0.5 dB; capture ratio 1.0 dB; alternate channel selectivity 92 dB; image response -90 dB; i-f response -100 dB; AM suppression 65 dB; stereo separation 55 dB at 1000 Hz; output 0.5 V fixed. AM section: sensitivity 15 μ V (IHF); selectivity 30 dB; S/N 50 dB. 3 1/8" H x 17 1/8" W x 14 1/8" D. \$365

CT-610II AM-FM Stereo Tuner

Has selectable long-distance mode, NFB-PLL FM multiplex demodulator, and built-in recording calibrator. FM section: usable sensitivity 9.3 dBf (1.6 μ V) mono; capture ratio 1.0 dB; alternate channel selectivity 85 dB (DX mode), 55 dB (normal mode); S/N (at 65 dBf) 75 dB stereo; IM dist. 0.2%; stereo separation 45 dB at 1000 Hz, 40 dB at 50 and 10,000 Hz; frequency response 50-10,000 Hz \pm 0.5 dB. AM section: sensitivity 18 μ V; selectivity 25 dB at 1000 Hz; S/N 50 dB; THD 0.4%. Other features include signal-strength and tuning meters, FM blend and muting selection, and front-panel output level control. 6 1/4" H x 17 1/8" W x 13 3/8" D \$225

CT-410II AM-FM Stereo Tuner

FM section: usable sensitivity 10.3 dBf (1.8 μ V); 50-dB quieting sensitivity 14.8 dBf (3 μ V) mono, 37.2 dBf (40 μ V) stereo; THD 0.1% (mono), 0.15% (stereo); S/N 74 dB (mono); frequency response 30-15,000 Hz +0.5/-1.5 dB; capture ratio 1 dB; alternate channel selectivity 82 dB; image response -45 dB; i-f response -80 dB; AM suppression 60 dB; stereo separation 40 dB; output 0.5 V. AM section: usable sensitivity 18 μ V; selectivity 25 dB at 1000 Hz; image response -40 dB at 1000 Hz; THD 0.4% \$185

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