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Technical Data

TYPE 501A VHF RECEIVER



The CEI Type 501A VHF Receiver is a completely transistorized version of the well known CEI Type 501 Receiver.

Reduced oscillator radiation, FM on both IF bandwidths, low power consumption and predetection output are featured.

SPECIFICATIONS

Frequency	54-260 mc with fine tuning
Input Impedance	50 ohms
Noise Figure	6.5 db, maximum
Oscillator Radiation	15 microvolt, maximum
Image Rejection	50 db, minimum
IF Rejection	70 db, minimum
IF	21.4 mc
IF Bandwidths	300 kc or 10 kc, selectable by front panel control
Sensitivity, FM (300 kc bandwidth position)	4 microvolt produces at least 23 db (s + n)/n with 100 kc deviation and 1 kc modulation
Sensitivity, AM (300 kc bandwidth position)	4 microvolt produces at least 10 db (s + n)/n with 50% modulation at 1 kc
	0.75 microvolt produces 10 db (s + n)/n (in 10 kc bandwidth position)
FM Output Stability	Varies less than 2 db for inputs above 1.5 microvolt
Video Response	10 cps to 150 kc

Video Bandwidth Control	5 positions: 1, 3, 10, 30 and 150 kc
Video Output Level	Adjustable by front panel control. Capable of 5 VRMS across 10 k load
Beat Frequency Oscillator	Operates in both bandwidth positions
Squelch	On Audio channel
Monitor	Audio amplifier and speaker
Pre-detection Output	21.4 mc output provides 100 mv in 50 ohm load
Provision for Signal Monitor	21.4 mc output frequency
Size	19" x 3 1/2" x 15 1/2 "
Weight	15 lbs
Power Requirements	115/230V 50-400 cps, 6W

Price \$1,600.00

FOB Rockville, Maryland. Taxes extra where applicable. Price and specifications subject to change without notice.

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