



# BULLETIN

COMMUNICATION ELECTRONICS, Inc.

4900 HAMPDEN LANE • BETHESDA 14, MARYLAND • OLiver 4-8860

## TYPE 704

### UHF RECEIVER

Type Reception	AM-FM-CW
Frequency Range	235-1000 mc (2 bands)
Input Impedance	50 $\Omega$ , nominal
Noise Figure	(235-500 mc) - 10 db max. (490-1000 mc) - 12 db max.
Image Rejection	65 db, minimum
Oscillator Radiation	(235-500 mc) - 8 $\mu$ v, max. (490-1000 mc) - 75 $\mu$ v, max.
IF Rejection	75 db, minimum
IF Frequencies	60 mc and 21.4 mc
IF Bandwidths	225 kc and 1.5 mc, simultaneous operation
Sensitivity	
225 KC Bandwidth	AM - 7 $\mu$ v input modulated 50% produces 10 db S/N/N minimum FM - 8 $\mu$ v input, modulated at 1 kc with deviation, produces 22 db S/N/N, minimum
1.5 MC Bandwidth	AM - 18 $\mu$ v input, modulated 50% produces 10 db S/N/N, minimum FM - 18 $\mu$ v input, modulated at 1 kc with 240 kc deviation, produces 11 db S/N/N, minimum

Output Stability	
225 KC Bandwidth	AM: Output varies less than 7 db for input range of 10-1000 $\mu\text{v}$
	FM: Output varies less than 2 db for inputs above 1.6 $\mu\text{v}$
1.5 MC Bandwidth	AM: For input range of 10-1000 $\mu\text{v}$ , output varies only with modulation percentage
	FM: Output varies less than 2 db for inputs above 3 $\mu\text{v}$
Audio Output Power	160 milliwatts, maximum, into 600-ohm or 150-ohm load
Audio Response	300 cps to 25 kc at 3-db points
Squelch	Audio output reduced 35 db, minimum, when RF input drops below a preset threshold level; sensitivity adjustable from 1.0 to 100 $\mu\text{v}$ inputs (minimum range)
Video Output	
225 KC Bandwidth	AM: 10 V P/P minimum for 50% modulation at 100 $\mu\text{v}$ input
	FM: 0.05 V minimum per kc deviation
1.5 MC IF Bandwidth	AM: 2.8 V P/P minimum for 50% modulation at 100 $\mu\text{v}$ input
	FM: 0.001 V minimum per kc deviation
Response of Video Amplifier for 225 KC Bandwidth	50 cps to 250 kc at 3-db points
Response of FM Video Amplifier for 1.5 MC Bandwidth	Direct current to 1 mc at 3-db points
Response of AM Video Amplifier for 1.5 MC Bandwidth	30 cps to 1 mc at 3-db points
Signal Monitor Output	21.4-mc center frequency IF signal output for use with CEI signal monitors
Beat Frequency Oscillator	21.4-mc center frequency, variable $\pm$ 20 kc, for use with 225-kc bandwidth

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Carrier Operated Relay Sensitivity	Adjustable from 1.0 to 100 $\mu$ v input
Carrier Operated Relay Drop-Out Delay	3, 5, 7, 10 sec.
Power Input	115V AC, 50-400 cps
Power Consumption	60 W, approx.
Weight	22 lbs.
Size	3 1/2" x 19" x 15"
Panel Color	Grey, MIL-E-15090, No. 26452

Price \$3,000.00

F.O.B. Rockville, Maryland. Taxes extra where applicable.  
Prices and specifications subject to change without notice.