



BULLETIN

COMMUNICATION ELECTRONICS, Inc.

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SPECIFICATIONS FOR CEI 705

250-1000 MC UHF RECEIVER

Tuning Range	- 250 to 1000 mc.
Band 1	- 250 to 500 mc.
Band 2	- 490 to 1000 mc.
Type of Reception	- AM or FM
Input Impedance	- To operate from a 50-ohm source.
Input Connection	- Type "N" connector for each band.
Noise Figure	
Band 1	- 10 db max.
Band 2	- 12 db max.
Radiation (oscillator to antenna)	- 30 uv max. (250-500 mc) 75 uv max. (490-1000 mc)
Image Rejection	- 65 db min.
IF Rejection	- 70 db min.
IF Frequencies	- 100 mc-1st IF 21.4 mc-2nd IF
IF Bandwidth	- 200 kc.
Output Stability	- FM - Output varies less than 2 db for inputs above 1 uv. AM - Output varies less than 7 db for a 40 db variation in input.
Meters	- Two (Signal Strength and tuning)
Outputs	- 1. Video - Emitter follower cap- able of delivering 1 MW into a 150-ohm load.

- 2. Audio - For driving a 150-ohm balanced or unbalanced load at 0.1-watt level.
 - 3. SM - For operation of an external signal display unit.
 - 4. HF oscillator - for supplying an external measuring device with 50 MV at a 50-ohm level.
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- COR
 - Signal-actuated relay with sensitivity adjustable from 1.0 uv to 100 uv input.
 - Squelch
 - Variable sensitivity muting of the audio channel.
 - Power Input
 - 115 volts at 400 CPS
 - Power Consumption
 - 50 watts (approximately)
 - Weight
 - 25 lbs. (approximately)
 - Size
 - 3½" H x 17" W x 15" D