

Communications & Power Industries Tetrode



The EIMAC 4CX20,000D/9015 is a ceramic/metal VHF power tetrode intended for use as a RF amplifier up to 110 MHz. It is particularly recommended for use in the 88-108 MHz FM band. It features an electromechanical structure which provides high RF operating efficiency and low RF losses. The 4CX-20,000D has a gain of up to 20 dB in FM broadcast service. The anode is rated for 20 kilowatts of dissipation with forced-air cooling and incorporates a highly efficient cooler of new design, which significantly reduces air pressure and flow requirements and produces low acoustical noise.

FEATURES:

Maximum plate dissipation:	20,000 W
Maximum screen dissipation:	300 W
Maximum grid dissipation:	200 W
Frequency for max rating (CW):	110 MHz
Amplification factor:	9.5
Filament/cathode:	Thoriated tungsten
Voltage:	7.5 V
Current:	145 A
Capacitance:	Grounded cathode
Input:	181 pF
Output:	18.7 pF
Feedthrough:	0.5 pF
Capacitance:	Grounded grid
Input:	76 pF
Output:	19.2 pF
Feedthrough:	0.5 pF
Cooling:	Forced air
Base:	Special, coaxial
Air socket:	SK-360
Air chimney:	SK-336
Boiler:	---
Length:	9.51 in/24.17 cm
Diameter:	7.85 in/19.95 cm
Weight:	14.8 lbs/6.7 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications