

Communications & Power Industries Tetrode



The 4CX12,000A / 8989 is intended for use in VHF radio frequency applications. It features an internal mechanical structure which results in high RF operating efficiency. Low RF losses in this structure permit operation at full ratings up to 220 MHz. The 4CX-12,000A/8989 has a gain of 18 dB in FM broadcast service, and is also recommended for RF linear amplifier service and for VHF-TV linear amplifier service. The anode is rated for 12 kilowatts of dissipation with forced-air cooling and incorporates a new highly efficient cooler design, which significantly reduces air pressure and flow requirements and produces low acoustical noise.

FEATURES:

Maximum plate dissipation:	12,000 W
Maximum screen dissipation:	300 W
Maximum grid dissipation:	150 W
Frequency for max rating (CW):	220 MHz
Amplification factor:	6.7
Filament/cathode:	Thoriated tungsten
Voltage:	6.5 V
Current:	105 A
Capacitance:	Grounded cathode
Input:	160.0 pf
Output:	18.5 pf
Feedthrough:	1.0 pf
Capacitance:	Grounded grid
Input:	70 pf
Output:	18.6 pf
Feedthrough:	0.1 pf
Cooling:	Forced air
Base:	Special, coaxial
Air socket:	SK-300A
Air chimney:	---
Boiler:	---
Length:	9.84 in/24.99 cm
Diameter:	7.76 in/19.71 cm
Weight:	19.2 lb/8.75 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications