

Communications & Power Industries Tetrode



The 4CX20,000A/8990 is a power tetrode intended for use in audio or 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 110 MHz and at reduced ratings to 220 MHz. The 4CX-20,000A/8990 has a gain over 18 dB in FM broadcast service, and is also recommended for radio frequency linear power amplifier service, and for VHF-TV linear amplifier service. The anode is rated for 20 kW 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:	20,000 W
Maximum screen dissipation:	450 W
Maximum grid dissipation:	200 W
Frequency for max rating (CW):	110 MHz
Amplification factor:	6.7
Filament/cathode:	Thoriated tungsten
Voltage:	10.0 V
Current:	140 A
Capacitance:	Grounded cathode
Input:	190 pf
Output:	23.5 pf
Feedthrough:	1.5 pf
Capacitance:	Grounded grid
Input:	83 pf
Output:	24.5 pf
Feedthrough:	0.2 pf
Cooling:	Forced air
Base:	Special, coaxial
Air socket:	SK-320
Air chimney:	SK-326
Boiler:	---
Length:	9.5 in/341.3 mm
Diameter:	8.8 in/223.5 mm
Weight:	19.2 lb/8.75 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications