

## Communications &amp; Power Industries Tetrode



The 4CX20,000E is a ceramic/metal power tetrode intended for use as a VHF power amplifier. It features a type of internal mechanical structure, which results in rf operating efficiency. Low rf losses in this structure permit operation at full ratings to 110 MHz. The 4CX20,000E provides high gain in FM broadcast service and is also recommended for rf linear power amplifier service, including IBOC digital transmission. The anode is rated for 20 kilowatts of dissipation with forced-air cooling and incorporates a compact, highly efficient cooler of new design.

## 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:	195 pF
Output:	22.7 pF
Feedthrough:	0.6 pF
Capacitance:	Grounded grid
Input:	87.4 pF
Output:	23.1 pF
Feedthrough:	0.08 pF
Cooling:	Forced air
Base:	Special, coaxial
Air socket:	SK-360, Y-291
Air chimney:	SK-320
Boiler:	---
Length:	9.84 in/249.90 mm
Diameter:	7.85 in/199.95 mm
Weight:	15.0 lbs/6.8 kg

## BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

## APPLICATIONS:

- Communications