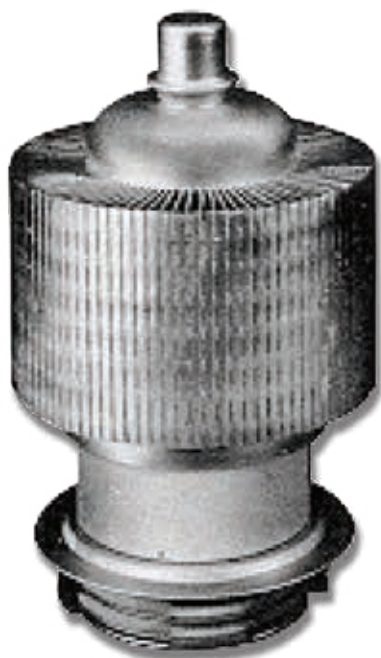


Communications & Power Industries Tetrode



The 4CX3000A/8169 is designed to be used as a Class AB1 linear amplifier in audio or radio frequency applications. Its characteristic of low intermodulation distortion makes it especially suitable for single sideband service. This tube is unique in that a production test is included to insure minimum distortion products. The 4CX3000A/8169 must produce a minimum of 5300 watts in Class AB1 service with 3rd order IM distortion at least 32 dB down, from one tone of two-tone signal. The tube is also recommended for use as a Class C radio frequency power amplifier and plate-modulated, radio frequency power amplifier.

FEATURES:

Maximum plate dissipation:	3,500W
Maximum screen dissipation:	175W
Maximum grid dissipation:	50W
Frequency for max rating (CW):	150 MHz
Amplification factor:	5.5
Filament/cathode:	Thoriated tungsten
Voltage:	9.0V
Current:	41.5 A
Capacitance:	Grounded cathode
Input:	-130 pF
Output:	12.5 pF
Feedthrough:	1.0 pF
Capacitance:	Grounded grid
Input:	61.0 pF
Output:	12.5 pF
Feedthrough:	0.1 pF
Cooling:	Forced air
Base:	Special, breechblock
Air socket:	SK-1400
Air chimney:	SK-1406
Boiler:	---
Length:	7.90 in/200.70mm
Diameter:	4.63 in/117.60mm
Weight:	5.5 lbs/2.5 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial