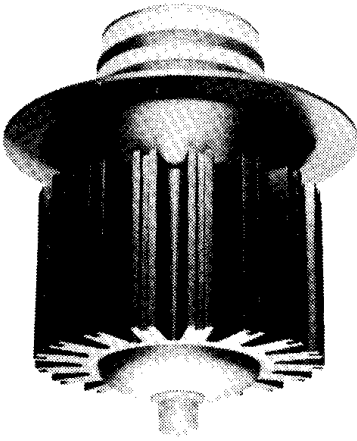


External Anode, Vapor Cooled Triodes
3CV30,000A3



The 3CV30,000A3 is a vapor-cooled, ceramic/metal power triode designed primarily for use in industrial radio-frequency heating service. Its vapor-cooled anode is conservatively rated at 30 kW of plate dissipation when mounted in a BR-200 boiler.

Full input of 60 kW is permissible up to 100 MHz. Large reserve emission is available from its one kilowatt filament and the grid structure is rated at one ampere making this tube an excellent choice for severe applications.

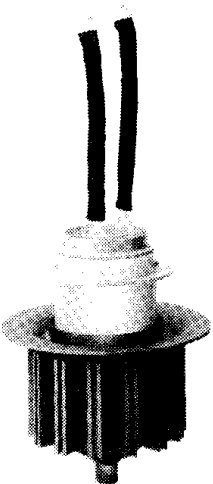
It is also recommended as a grounded grid FM amplifier, a conventional plate-modulated amplifier or as a linear amplifier in new equipment designs.

CHARACTERISTICS

- Plate Dissipation (Max.) 30,000 watts
- Grid Dissipation (Max.) 500 watts
- Frequency for Max. Ratings (CW) 100 MHz
- Cooling Vapor and Forced Air
- Filament Thoriated tungsten
- Voltage 6.3 volts
- Current 160 amperes
- Capacitances (Gnd. Cath. Connection):
- Input 55.0 pF
- Output 1.4 pF
- Feed-through 34.0 pF
- Amplification Factor 20
- Base Coaxial
- Recommended Air-System Socket SK-1310
- Recommended Boiler BR-200
- Maximum Seal Temperature 250°C
- Maximum Length 8.62 in; 218.90 mm
- Maximum Diameter 7.75 in; 196.80 mm
- Weight (approximate) 18.0 lb; 8.2 kg
- Operating Position Vertical, base up

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (volts)	Plate Current (amps)	Driven Element	Plate Voltage (volts)	Plate Current (amps)	Drive Power (watts)	Output Power (watts)
C	RF Power Amplifier Plate Modulated	7000	5.0	Grid	7000	5.0	750	27,500
C	RF Industrial Oscillator	10,000	6.0	—	10,000	6.0	365	42,000
AB ₂	RF Linear Amplifier	10,000	6.0	Grid	10,000	6.0	240	41,000

3CV30,000H3



The 3CV30,000H3 is a vapor-cooled, ceramic/metal power triode designed primarily for use in industrial radio-frequency heating service. Its vapor-cooled anode is conservatively rated at 30 kW of plate dissipation when mounted in a BR-200 boiler.

Full input of 60 kW is permissible up to 100 MHz. Large reserve emission is available from its one kilowatt filament and the grid structure is rated at one ampere making this tube an excellent choice for severe applications.

It is also recommended as an audio amplifier, a conventional plate-modulated amplifier or as a linear amplifier in new equipment designs.

CHARACTERISTICS

- Plate Dissipation (Max.) 30,000 watts
- Grid Dissipation (Max.) 500 watts
- Frequency for Max. Ratings (CW) 100 MHz
- Cooling Vapor and Forced Air
- Filament Thoriated tungsten
- Voltage 6.3 volts
- Current 160 amperes
- Capacitances (Gnd. Cath. Connection):
- Input 55.0 pF
- Output 1.4 pF
- Feed-through 34.0 pF
- Amplification Factor 20
- Base Flexible filament leads
- Recommended Boiler BR-200
- Maximum Seal Temperature 250°C
- Maximum Length 17.63 in; 447.80 mm
- Maximum Diameter 7.75 in; 196.80 mm
- Weight (approximate) 18.0 lb; 8.2 kg
- Operating Position Vertical, base up

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (volts)	Plate Current (amps)	Driven Element	Plate Voltage (volts)	Plate Current (amps)	Drive Power (watts)	Output Power (watts)
C	RF Power Amplifier Plate Modulated	7000	5.0	Grid	7000	5.0	750	27,500
C	RF Industrial Oscillator	10,000	6.0	—	10,000	6.0	365	42,000
AB ₂	AF Amplifier or Modulator	10,000	6.0	Grid	9600	6.2*	50	36,000*

*Two tubes.