20 KW MEDIUM MU POWER TRIODE 3CX20,000A3

Communications & Power Industries Triode

The 3CX20,000A3 is a forced-air cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Input of 84 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 1600 watt filament. The grid structure is rated at 800 watts making this tube an excellent choice for industrial service.

FEATURES:

Maximum plate dissipation:	20,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	750 Watts
Frequency for max rating (CW):	90 MHz
Amplification factor:	20
Filament/cathode:	Thoriated Tungsten
Voltage:	10.0 Volts
Current:	160 Amps
Capacitance: Grounded cathode	
Input:	70.0 pF
Output:	2.3 pF
Feedthrough:	43 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	Coaxial
Air Socket:	SK-1300
Air Chimney:	
Boiler:	---
Length:	10.00 in; 254.0 mm
Diameter:	8.00 in; 203.0 mm
Weight:	19.5 lb; 8.8 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial

		MAXIMUM RATINGS		TYPICAL OPERATION				
Class of Operation	Type of Service	Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
C	Grid driven RF amplifier	12,000	8.0	10,000	---	7.9	960	64.0
C	Grid driven RF amplifier plate modulated	6,500	5.5	6,500	---	5.0	1,500	27.5
AB	Grid driven RF linear amplifier	8,000	8.0	7,500	---	7.4	400	40.0
AB	Grid driven AF amplifier or modulator	8,000	8.0	7,500	---	14.8	800	80.0

With a history of producing high quality products, we can help you with your triode.
Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only.
Formal, controlled specifications may be obtained from CPI for use in equipment design.

Communications & Power Industries

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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.