20 KW MEDIUM MU POWER TRI0DE 3CW20,000A3

Communications & Power Industries Triode

The 3CW20,000A3 is a medium-mu power triode intended primarily for use as a power oscillator in industrial heating operations. It is also recommended for use as a conventional plate-modulated amplifier or as a linear amplifier.

FEATURES:

Maximum plate dissipation:	20,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	250 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	20
Filament/cathode:	Thoriated Tungsten
Voltage:	7.5 Volts
Current:	99.0 Amps
Capacitance: Grounded cathode	
Input:	53.0 pF
Output:	1.4 pF
Feedthrough:	34.0 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Water and Forced Air
Base:	Coaxial
Air Socket:	SK-1300
Air Chimney:	---
Boiler:	---
Length:	11.22 in; 285.00 mm
Diameter:	4.65 in; 118.10 mm
Weight:	11.5 lb; 5.2 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- 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 plate modulated	5,500	3.0	5,000	---	3.0	515	12.4
C	RF industrial oscillator	7,000	4.0	7,000	---	4.0	---	22.4

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.

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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.