2500 W MEDIUM MU POWER TRIODE 3CX2500F3/8251

Communications & Power Industries Triode

The 3CX2500F3 is a forced air cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Input of 14 kW is permissible up to 75 MHz. Plentiful reserve emission is available from it's 386 watt filament. The grid structure is rated at 150 watts making this tube an excellent choice for industrial service.

FEATURES:

Maximum plate dissipation:	4,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	150 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	20
Filament/cathode:	Thoriated Tungsten
Voltage:	7.5 Volts
Current:	51.5 Amps
Capacitance: Grounded cathode	
Input:	35.0 pF
Output:	0.9 pF
Feedthrough:	20 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air
Base:	Coaxial
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	9.0 in; 227.00 mm
Diameter:	4.16 in; 105.70 mm
Weight:	6.2 lb; 2.8 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	RF Industrial Oscillator	6,000	2.5	6,000	---	2.1	136	10.0
C	Grid Driven RF Amplifier	6,000	2.5	6,000	---	2.1	136	10.0
C	Grid Driven RF Amplifier Plate Modulated	5,500	2.0	5,000	---	1.3	115	5.3
AB	Grid Driven AF Amplifier or Modulator	6,000	2.5	6,000	---	3.0	113	13.0

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.