

The 3CX2500D3 is a forced air cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Input of 7.77 kW is permissible up to 110 MHz. Plentiful reserve emission is available from its 233 watt filament. The grid structure is rated at 75 watts, making this tube an excellent choice for industrial service.



## CHARACTERISTICS

Plate Dissipation (Max.)	2,500 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	75 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	24
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	31.0 Amps
Capacitance	Grounded Cathode
Input	20.0 pf
Output	0.89 pf
Feedthrough	9.0 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	3 Pin Special
Air Socket	---
Air Chimney	---
Boiler	---
Length	7.6 in; 19.3 cm
Diameter	4.125 in; 10.48 cm
Weight	4.0 lb ; 8.8 kg

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		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 or amplifier	7,000	1.5	6,000	---	1.21	165	5.27

The values listed above represent specified limits for the product and are subject to change. 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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