

Communications & Power Industries Triode



The 3CX10,000A3/8159 is a forced-air cooled, ceramic/metal, medium mu power triode designed primarily for use in industrial radio frequency heating services. Input of 32 kW is permissible up to 140 MHz. Plentiful reserve emission is available from its 743 watt filament. The grid structure is rated at 250 watts, making this tube an excellent choice for industrial service.

FEATURES:

Maximum plate dissipation:	10,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	250 Watts
Frequency for max rating (CW):	160 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:	Forced Air
Base:	Coaxial
Air Socket:	SK-1300
Air Chimney:	SK-1306
Boiler:	---
Length:	8.75 in; 222.20 mm
Diameter:	7.05 in; 179.10 mm
Weight:	12.0 lb; 5.5 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Industrial

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	Cathode driven RF amplifier	7,000	4.0	7,000	---	4.0	4,100	24.5
C	Grid driven RF amplifier plate modulated	5,500	3.0	5,000	---	3.0	515	12.4
C	RF Industrial oscillator or amplifier	7,000	4.0	7,000	---	4.0	600	22.4
AB2	Cathode driven RF amplifier	7,000	5.0	7,000	---	4.0	2,050	20.0

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.



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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.

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