

Communications & Power Industries Triode



The 3CW45,000H3 is a water-cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial RF heating services. Its water-cooled anode is conservatively rated at 45 kW of plate dissipation with low water flow and pressure drop. The removable water jacketed (SK-1360 - not included) allows inspection and cleaning of cooling passages as well as reducing tube replacement cost. A glazed ceramic is used to make insulator cleaning easy. Input of 150 kW is permissible up to 75 MHz. Plentiful reserve emission is available from its 1600 watt filament. The grid structure is rated at 750 watts making this tube an excellent choice for industrial service.

FEATURES:

Maximum plate dissipation:	45,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	750 Watts
Frequency for max rating (CW):	75 MHz
Amplification factor:	30
Filament/cathode:	Thoriated Tungsten
Voltage:	10.0 Volts
Current:	160 Amps
Capacitance: Grounded cathode	
Input:	77.0 pF
Output:	2.3 pF
Feedthrough:	43.0 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Water and Forced Air
Base:	Flexible Filament Leads
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	19.2 in; 487.7 mm
Diameter:	5.3 in; 134.6 mm
Weight:	14.0 lb; 6.4 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- 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	RF Industrial oscillator	14,000	11.5	13,000	---	11.5	1450	120.0

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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