

Communications & Power Industries Triode



The Eimac Y-847A is a planar triode specifically designed for high voltage regulator or switch tube (pulse modulator) service. The compact, rugged design has very low internal inductance and capacitance to provide fast rise and fall times in pulse applications. The tube may be mounted in any position and is capable of enduring substantial vibration and shock.

FEATURES:

Maximum plate dissipation:	2,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	2.0 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	3000 Mu
Filament/cathode:	Tungsten Matrix
Voltage:	6.3 Volts
Current:	8.4 Amps
Capacitance: Grounded cathode	
Input:	25.0 pF
Output:	0.04 pF
Feedthrough:	6.0 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Conduction in oil with appropriate heat sink
Base:	Special, Coaxial with solder tabs
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	5.60 in; 142.2 mm
Diameter:	5.83 in; 148 mm
Weight:	5.27 oz; 2.39 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Science

RANGE VALUES FOR EQUIPMENT DESIGN			
	Min.	Max.	
Heater Current @ 6.3 Volts	7.4	9.0	A
Interelectrode Capacitances ¹ (grounded cathode)			
Cin	---	28.0	pF
Cout	---	0.1	pF
Cgp	---	6.5	pF
Cut-off Bias (Eb = 100 kV, Ib = 1.0 mA)	---	-75.0	Vdc

¹ Capacitance values are for a cold tube as measured in a shielded fixture in accordance with Electronic Industries Association Standard RS-191.

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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