

Communications & Power Industries Triode



The YU-114 is a planar triode intended for use as a high voltage series regulator or switch tube. The compact, low inductance package allows fast rise and fall times and very short pulse operation. In air the maximum plate voltage is 15 kilovolts, and in insulating oil it is 25 kilovolts. The plate is conduction cooled and rated at 400 watts when used with the proper heatsink. The YU-114 has solder tabs for making connection to the heater, cathode and grid terminals.

FEATURES:

Maximum plate dissipation:	400 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	2 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	700
Filament/cathode:	Oxide
Voltage:	6.3 Volts
Current:	2.25 Amps
Capacitance: Grounded cathode	
Input:	18.0 pF
Output:	0.03 pF
Feedthrough:	5.5 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Conduction
Base:	Solder Tabs
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	2.825 in; 7.18 cm
Diameter:	1.33 in; 3.38 cm
Weight:	2 oz; 56 gm

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Science

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)
---	Pulse Modulator, in Air	15,000	10	---	---	---	---	---
---	Pulse Modulator, in Insulating Oil	25,000	10	---	---	---	---	---

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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