250 W PLANAR TRIODE YU-113

Communications & Power Industries Triode

The YU-113 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. The plate is conduction cooled and rated at 1000 watts when used with the proper heatsink. The maximum plate voltage is 55 kV when immersed in suitable insulating oil or fluid. Solder tabs are supplied to facilitate connection to the heater, cathode and grid terminals.

FEATURES:

Maximum plate dissipation:	1,000 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	2 Watts
Frequency for max rating (CW):	--- MHz
Amplification factor:	750
Filament/cathode:	Tungsten Matrix
Voltage:	6.3 Volts
Current:	8.4 Amps
Capacitance: Grounded cathode	
Input:	22.0 pF
Output:	0.03 pF
Feedthrough:	5.5 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Forced Air or Liquid
Base:	Solder Tabs
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	2.685 in; 6.82 cm
Diameter:	3.01 in; 7.74 cm
Weight:	20 oz; 567 gm

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Science

		MAXIMUM RATINGS		TYPICAL OPERATION				
Class of Operation	Type of Service	Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
---	Switch Tube or Pulse Modulator	55,000	12	---	---	---	---	---

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.