

Communications & Power Industries Triode



The Y-820 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 400 watts when used with the proper heatsink. When immersed in oil the maximum plate voltage rating is 25 kV. Solder tabs are supplied to facilitate 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:	650
Filament/cathode:	Oxide Coated
Voltage:	6.3 Volts
Current:	2.25 Amps
Capacitance: Grounded cathode	
Input:	18.0 pF
Output:	0.03 pF
Feedthrough:	2.0 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Conduction
Base:	Special
Air Socket:	---
Air Chimney:	---
Boiler:	---
Length:	2.80 in; 7.112 cm
Diameter:	1.4 in; 3.3556 cm
Weight:	4.6 oz; 130 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)
---	Switch Tube or Pulse Modulator	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.



**Microwave Power
Products Division**
811 Hansen Way
Palo Alto, California
USA 94304

tel +1 650-846-2800
fax +1 650-856-0705
email MPPMarketing@cpii.com
web www.cpii.com/MPP

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.

©2020 Communications & Power Industries LLC.
Company proprietary: use and reproduction is strictly prohibited without written authorization from CPI.