

The Y-820 is a planar triode intended for use as 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 kilovolts. Solder tabs are supplied to facilitate connection to the heater, cathode and grid terminals.

CHARACTERISTICS

Plate Dissipation (Max.)	400 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	2 Watts
Frequency for Max. rating (CW)	N/A
Amplification Factor	650
Filament/Cathode	Oxide
Voltage	6.3 Volts
Current	2.25 Amps
Capacitance	Grounded Cathode
Input	18 pf
Output	0.03 pf
Feedthrough	2.0 pf
Capacitance	N/A
Input	N/A
Output	N/A
Feedthrough	0.3 pf
Cooling	Conduction
Base	Special
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	2.80 in; 7.112 cm
Diameter	1.40 in; 3.556 cm
Weight	4.6 oz; 130 gm

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	---	---	---	---	---

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



For information on this and other CPI MPP products, visit our website at: www.cpii.com, or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303
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