

The Y-812 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 1000 Watts when used with the proper heatsink. When immersed in oil the maximum plate voltage rating is 40 kilovolts.

## CHARACTERISTICS

Plate Dissipation (Max.)	1,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	1.5 Watts
Frequency for Max. rating (CW)	N/A
Amplification Factor	800
Filament/Cathode	Oxide
Voltage	6.3 Volts
Current	2.25 Amps
Capacitance	Grounded Cathode
Input	15.0 pf
Output	0.003 pf
Feedthrough	2.0 pf
Capacitance	N/A
Input	N/A
Output	N/A
Feedthrough	N/A
Cooling	Conduction
Base	Special
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	2.70 in; 6.858 cm
Diameter	3.01 in; 7.65 cm
Weight	18.34 oz; 520 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	40,000	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](http://www.cpii.com), or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303  
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