

The Y-810 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 85 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 | 1300 |
| 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 | 3.08 in; 7.81 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 | 85,000 | 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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