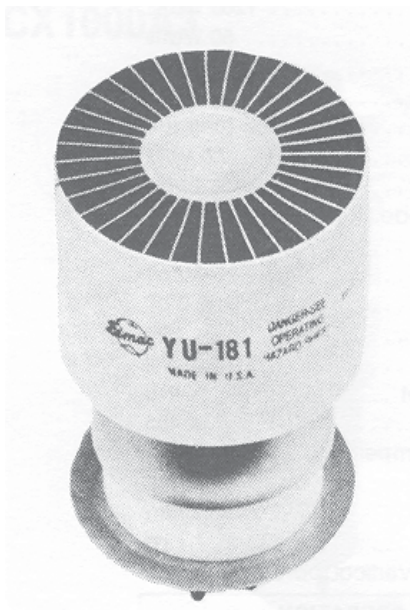


The YU-181/3CX1200Z7 is a high- μ , forced air cooled, rugged, ceramic triode for use as a grounded grid, zero bias class AB2 amplifier.

CHARACTERISTICS

| | |
|--------------------------------|---------------------|
| Plate Dissipation (Max.) | 1,200 Watts |
| Screen Dissipation (Max.) | --- |
| Grid Dissipation (Max.) | 50 Watts |
| Frequency for Max. rating (CW) | 110 MHz |
| Amplification Factor | 200 |
| Filament/Cathode | Thoriated Tungsten |
| Voltage | 6.3 Volts |
| Current | 25.0 Amps |
| Capacitance | Grounded Cathode |
| Input | 17.6 pf |
| Output | 9.7 pf |
| Feedthrough | 0.8 pf |
| Capacitance | --- |
| Input | --- pf |
| Output | --- pf |
| Feedthrough | --- pf |
| Cooling | Forced Air |
| Base | SK-410 Socket |
| Air Socket | --- |
| Air Chimney | --- |
| Boiler | --- |
| Length | 5.550 in; 140.97 mm |
| Diameter | 3.5 in; 88.9 mm |
| Weight | 2.4 lb ; 1.09 kg |



| 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) |
| AB | RF linear amplifier | 5,500 | 0.8 | 4,000 | --- | .562 | 53 | 1.615 |

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 products, visit our website at: www.cpii.com, or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303
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