

5CX1500B

The 5CX1500B is recommended primarily for use as a Class C RF power amplifier in CW, FM and AM service. The 5CX1500B is recommended as a replacement for 5CX1500A in broadcast applications.



CHARACTERISTICS

| | |
|--------------------------------|--------------------------|
| Plate Dissipation (Max.) | 1,500 Watts |
| Screen Dissipation (Max.) | 75 Watts |
| Grid Dissipation (Max.) | 25 Watts |
| Frequency for Max. rating (CW) | 110 MHz |
| Amplification Factor | 5.5 |
| Filament/Cathode | Thoriated Tungsten |
| Voltage | 5.0 Volts |
| Current | 38.5 Amps |
| Capacitance | Grounded Cathode |
| Input | 75.0 pf |
| Output | 17 pf |
| Feedthrough | 0.2 pf |
| Capacitance | Grounded Grid |
| Input | 34.5 pf |
| Output | 19.0 pf |
| Feedthrough | .05 pf |
| Cooling | Forced Air |
| Base | Special Ring/Breechblock |
| Air Socket | SK-840 |
| Air Chimney | SK-806 |
| Boiler | N/A |
| Length | 4.95 in; 12.57 cm |
| Diameter | 3.37 in; 8.56 cm |
| Weight | 30 oz; 850 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) |
| C | RF Amplifier | 5,000 | 1.0 | 4,500 | 500 | 0.9 | 9.0 | 3.18 |

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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