

The ML-6424 and 6424 are medium-Mu triodes used in AM broadcast and industrial heating applications. The water cooled anodes in these tubes are rated at 20 kilowatts.

CHARACTERISTICS

| | |
|--------------------------------|----------------------|
| Plate Dissipation (Max.) | 20,000 Watts |
| Screen Dissipation (Max.) | N/A |
| Grid Dissipation (Max.) | 600 Watts |
| Frequency for Max. rating (CW) | 30 MHz |
| Amplification Factor | 20 |
| Filament/Cathode | Thoriated Tungsten |
| Voltage | 7.0 Volts |
| Current | 120 Amps |
| Capacitance | Grounded Cathode |
| Input | 32 pf |
| Output (Max.) | 2.5 pf |
| Cgp | 26 pf |
| Capacitance | N/A |
| Input | pf |
| Output | pf |
| Feedthrough | pf |
| Cooling | Water and Forced Air |
| Base | Special |
| Air Socket | N/A |
| Air Chimney | N/A |
| Boiler | N/A |
| Length | 15.75 in; 40.0 cm |
| Diameter | 8.125 in; 20.6 cm |
| Weight | 10 lb; 4.5 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) |
| C | Industrial Oscillator | 12,500 | 3.5 | 10,000 | -1,000 | 3.3 | 430 | 24.4 |
| C | Industrial Oscillator | 12,500 | 3.5 | 12,000 | -1,000 | 3.3 | 430 | 30.6 |
| C | Plate modulated RF amplifier (telephony) | 9,000 | 2.5 | 8,500 | -1,400 | 1.8 | 330 | 12.1 |

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 Operation, 607 Hansen Way, Palo Alto, CA 94303
TELEPHONE: 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com