

Communications & Power Industries Triode



The 3CX10,000H3 is a forced-air cooled, ceramic/metal medium-mu power triode designed primarily for use in industrial RF heating services. Input of 32 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 743 watt filament. The grid structure is rated at 250 watts making this tube an excellent choice for industrial service.

FEATURES:

| | |
|--------------------------------|-------------------------|
| Maximum plate dissipation: | 10,000 Watts |
| Maximum screen dissipation: | --- |
| Maximum grid dissipation: | 250 Watts |
| Frequency for max rating (CW): | 90 MHz |
| Amplification factor: | 20 |
| Filament/cathode: | Thoriated Tungsten |
| Voltage: | 7.5 Volts |
| Current: | 99.0 Amps |
| Capacitance: Grounded cathode | |
| Input: | 53.0 pF |
| Output: | 1.4 pF |
| Feedthrough: | 34.0 pF |
| Capacitance: Grounded grid | |
| Input: | --- pF |
| Output: | --- pF |
| Feedthrough: | --- pF |
| Cooling: | Forced Air |
| Base: | Flexible Filament Leads |
| Air Socket: | --- |
| Air Chimney: | --- |
| Boiler: | --- |
| Length: | 17.75 in; 450.80 mm |
| Diameter: | 7.05 in; 179.10 mm |
| Weight: | 13.0 lb; 5.5 kg |

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Industrial

| 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 Industrial oscillator or amplifier | 10,000 | 4.0 | 9,000 | --- | 4.0 | 570 | 29.0 |

With a history of producing high quality products, we can help you with your triode.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only.

Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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