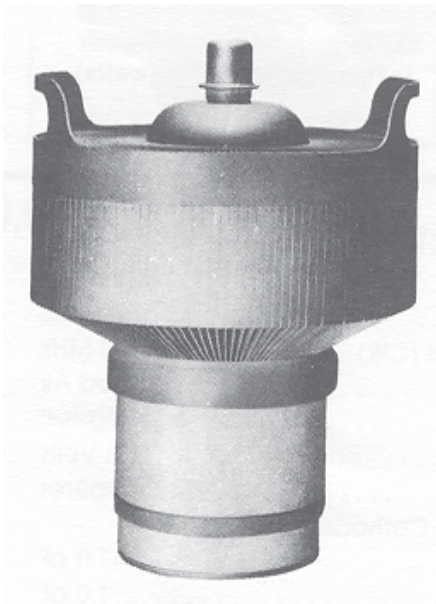


The 3CX15,000 A7 is a high-mu power triode intended for use as a zero bias Class B RF amplifier or Class C power amplifier or oscillator. It is also recommended for use as a grounded grid FM amplifier. Class B operation with zero bias offers circuit simplicity. In addition, grounded grid operation is attractive since a power gain as high as twenty times can be obtained.



CHARACTERISTICS

| | |
|--------------------------------|--------------------|
| Plate Dissipation (Max.) | 15,000 Watts |
| Screen Dissipation (Max.) | --- |
| Grid Dissipation (Max.) | 500 Watts |
| Frequency for Max. rating (CW) | 110 MHz |
| Amplification Factor | 200 |
| Filament/Cathode | Thoriated Tungsten |
| Voltage | 6.3 Volts |
| Current | 160 Amps |
| Capacitance | Grounded Cathode |
| Input | 61.0 pf |
| Output | 0.2 pf |
| Feedthrough | 36 pf |
| Capacitance | Grounded Grid |
| Input | 61.0 pf |
| Output | 36.0 pf |
| Feedthrough | 0.2 pf |
| Cooling | Forced Air |
| Base | Coaxial |
| Air Socket | SK-1300 |
| Air Chimney | SK-1306 |
| Boiler | --- |
| Length | 8.75 in; 222.30 mm |
| Diameter | 7.05 in; 179.10 mm |
| Weight | 12.0 oz; 5.5 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 | Grid driven RF amplifier | 8,000 | 5.0 | 7,000 | --- | 4.0 | 430 | 21.3 |
| AB | Cathode driven RF linear amplifier | 8,000 | 6.0 | 7,000 | --- | 5.9 | 1,750 | 29.6 |

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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