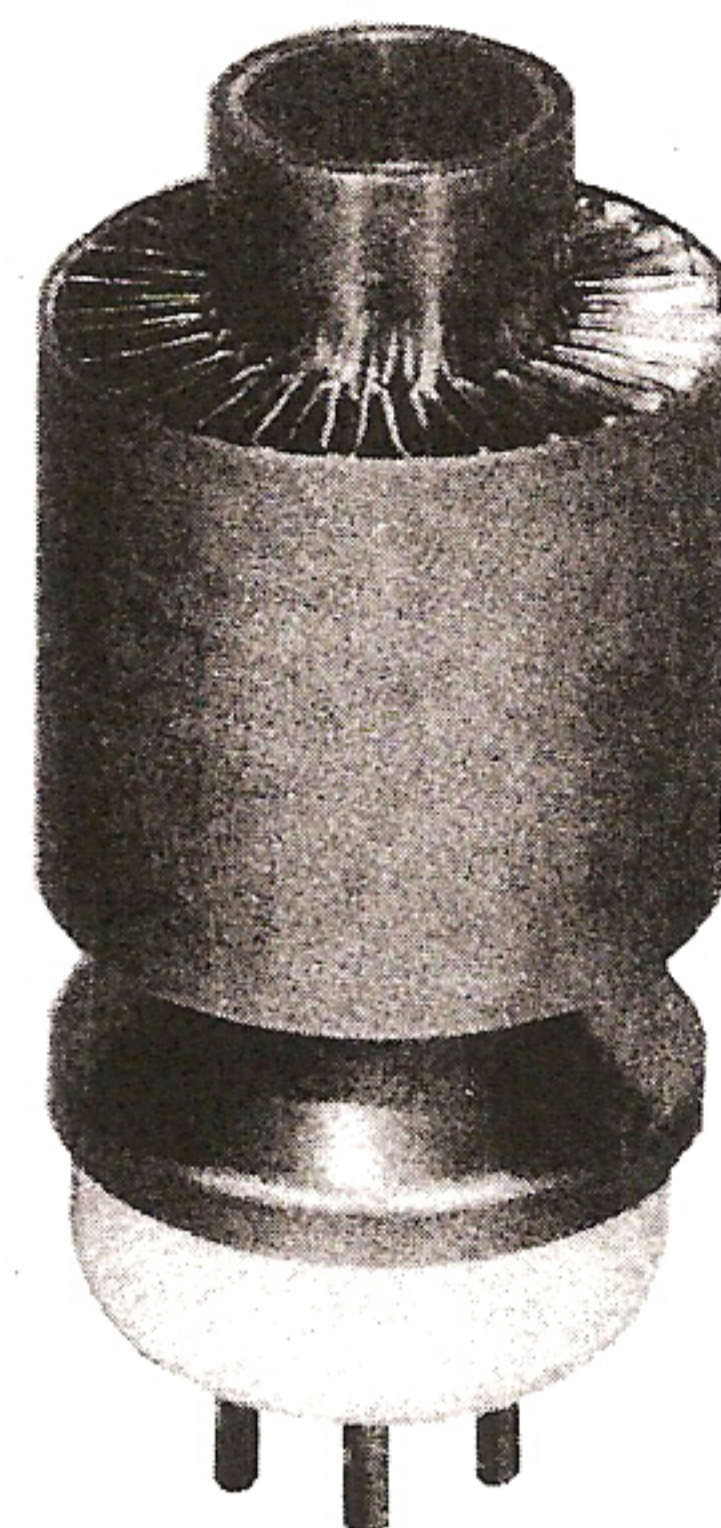


SECTION 10. TUBE SPECIFICATIONS

The EIMAC 3CX1200A7 is a high mu, compact, forced-air cooled, rugged, ceramic/metal power triode, intended to be used as a zero-bias Class AB₂ amplifier. Grounded grid operation is also attractive since a power gain as high as twenty times can be obtained in a cathode-driven circuit.



GENERAL CHARACTERISTICS¹

ELECTRICAL

Filament: Thoriated Tungsten

Voltage	7.5 Volts ±0.37 V
Current	21.3
Frequency for Maximum Ratings	110 MHz
Amplification Factor	200

Interelectrode Capacitances (grounded filament connection)²

Input	20 pF
Output (max)	0.6 pF
Feedback	10.3 pF

Interelectrode Capacitances (grounded grid connection)²

Input	20 pF
Output	10.3 pF
Feedback (max)	0.6 pF

MECHANICAL

Cooling	Forced Air
Maximum Operating Temperatures	
Plate Seal	250°C
Base Seal	250°C
Mounting Position	Vertical, Base Up or Down
Socket	SK410
Chimney	SK436
Maximum Length	6.0 in; 147 mm
Maximum Diameter	2.91 in; 73.1 mm
Weight (Approximate)	2.5 lb; 1.1 kg

¹ Characteristics and operating values are based upon performance tests. These figures may change without notice as the result of additional data or product refinement. Varian EIMAC should be consulted before using this information for final equipment design.

² Capacitance values are for a cold tube as measured in a special shielded fixture in accordance with Electronic Industries Association Standard RS-191.