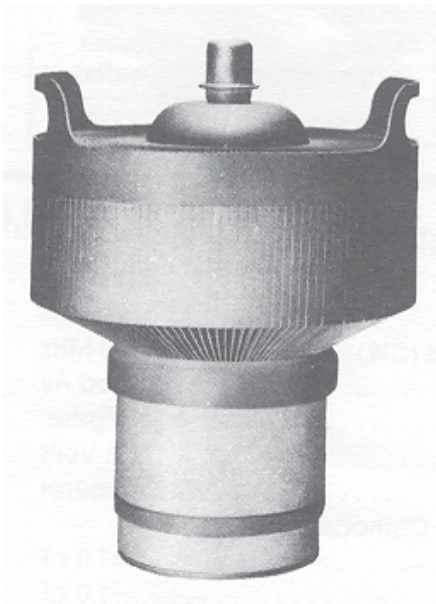


The 3CX15,000 A7 is a high-mu power triode intended for use as a zero bias Class B RF amplifier or Class C power amplifier or oscillator. It is also recommended for use as a grounded grid FM amplifier. Class B operation with zero bias offers circuit simplicity. In addition, grounded grid operation is 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](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303  
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