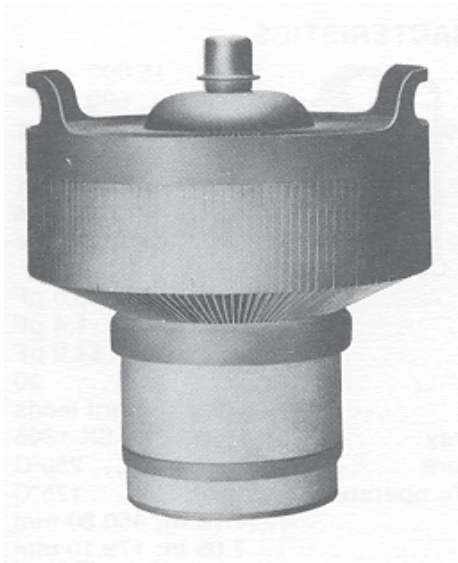


The 3CX10,000A1/8158 is a low-mu triode intended for use as an audio amplifier and as a voltage regulator.



CHARACTERISTICS

Plate Dissipation (Max.)	10,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	250 Watts
Frequency for Max. rating (CW)	160 MHz
Amplification Factor	5
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	100 Amps
Capacitance	Grounded Cathode
Input	53.0 pf
Output	1.4 pf
Feedthrough	34 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Coaxial
Air Socket	SK-1300
Air Chimney	SK-1306
Boiler	---
Length	8.75 in; 222.20 mm
Diameter	7.05 in; 179.10 mm
Weight	12.0 lb ; 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	Cathode driven RF amplifier	7,000	4.0	7,000	---	4.0	4,100	24.5
C	Grid driven RF amplifier plate modulated	5,500	3.0	5,000	---	3.0	515	12.4
C	RF Industrial oscillator or amplifier	7,000	4.0	7,000	---	4.0	600	22.4
AB2	Cathode driven RF amplifier	7,000	5.0	7,000	---	4.0	2,050	20.0

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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