

The EIMAC 3CW40,000A7 is a ceramic/metal power triode designed for use as a high power RF amplifier for industrial and scientific applications. The high-Mu grid in this tube provides excellent isolation and permits stable operation as a grounded grid linear amplifier in class AB or B. With simple cathode bias the tube operates in class C for high efficiency. Its water-cooled anode has a maximum dissipation rating of 40 kilowatts.



CHARACTERISTICS

Anode Dissipation (Max.)	40,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	750 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	200
Filament/Cathode	Thoriated Tungsten
Voltage	12.0 Volts
Current	110 Amps
Capacitance	Grounded Cathode
Input	79.5 pf
Output	0.27 pf
Feedthrough	46.5 pf
Capacitance	Grounded Grid
Input	79.5 pf
Output	46.5 pf
Feedthrough	0.27 pf
Cooling	Forced Air
Base	Coaxial
Air Socket	SK-1320
Air Chimney	---
Boiler	---
Length	12.25 in; 311 mm
Diameter	6.5 in; 171 mm
Weight	17.0 lb; 7.7 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	RF power amplifier	12,000	9	10,000	---	6.6	2300	37.5
C	RF power amplifier	12,000	9	12,000	---	7.7	3200	76.0
AB2	RF power amplifier	12,000	9	10,000	---	8.1	1800	54.0

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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