

The 3CX800A7 is a compact high-mu power triode intended for use in zero bias class B amplifiers in audio or radio frequency applications. It may also be useful as a pulse modulator or regulator. A single 3CX800A7 will deliver 750 watts PEP and 750 watts keydown CW output to 350 MHz. Linearity and power gain are excellent due to the beam forming geometry of the special grid and cathode design.



## CHARACTERISTICS

Plate Dissipation (Max.)	800 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	4 Watts
Frequency for Max. rating (CW)	350 MHz
Amplification Factor	200
Filament/Cathode	Oxide Coated
Voltage	13.5 Volts
Current	1.5 Amps
Capacitance	Grounded Grid
Input	26.0 pf
Output	6.1 pf
Feedthrough	.05 pf
Capacitance	N/A
Input	N/A
Output	N/A
Feedthrough	N/A
Cooling	Forced Air
Base	11 Pin
Air Socket	SK-1900
Air Chimney	SK-1906
Boiler	N/A
Length	2.52 in; 64.01 mm
Diameter	2.53 in; 64.26 mm
Weight	11.5 oz; 326 gm

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)
AB2 ---	Cathode Driven RF Linear Amplifier Pulse Modulator or Regulator	2,250 3,500	0.6 8.0	2,200 ---	---	0.5 ---	23 ---	0.750 ---

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 MPP products, visit our website at: [www.cpii.com](http://www.cpii.com), or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303  
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