

The 3CPX800A7 is a compact high-mu power triode intended for use in zero bias Class B amplifiers in pulsed radio frequency applications. It may also be used as a pulse modulator or regulator. A single 3CPX800A7 will deliver 6 kW peak output in drive-pulsed RF service. This device is also recommended for FM broadcast service at 108MHz, with typical output power of 900W.



## CHARACTERISTICS

Plate Dissipation (Max.)	800 Watts
Screen Dissipation (Max.)	---
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	0.5 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Large Wafer 11 pin
Air Socket	SK-1900
Air Chimney	SK-1906
Boiler	
Length	2.52 in; 64.01 mm
Diameter	2.53 in; 64.26 mm
Weight	12 oz; 340 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, pulsed	3,500	8.0	3,500	---	2.5	320	6.0
---	Pulse Modulator or Regulator	4,500	8.0	4,500	---	5.0	25	20.0
AB	Grounded Grid, FM Broadcast	3,500	0.6	3,200	---	0.43	23	0.9

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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