



The 3CX400A7/8874 is a compact high-mu power triode intended for use in zero bias Class B amplifiers in audio or RF applications. Operation with zero bias simplifies circuitry and cathode driven operation is attractive since a power gain as high as twenty can be obtained.



3CX400A7/8874

CHARACTERISTICS

Plate Dissipation (Max.) 400 Watts Screen Dissipation (Max.) ---Grid Dissipation (Max.) 5 Watts Frequency for Max. rating (CW) 500 MHz **Amplification Factor** 240 Filament/Cathode **Oxide Coated** Voltage 6.3 Volts 3.0 Amps Current Capacitance Grounded Grid 20.5 pf Input Output 6.0 pf Feedthrough 0.3 pf Capacitance ____ Input --- pf Output --- pf Feedthrough --- pf Cooling Forced Air Base 11 pin with ring Air Socket SK-1900 Air Chimney SK-606 Boiler ---Length 2.14 in; 54.40 mm Diameter 1.64 in; 41.70 mm Weight 4.3 oz; 122 gm

		MAXIMUM RATINGS		TYPICAL OPERATION				
Class of Operation	Type of Service	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 (30 MHz)	2,200	0.35	2,000		0.50	26	0.587
AB2	Cathode driven RF linear amplifier (150 MHz)	2,200	0.35	2,000		0.40	17.5	0.526
AB2	Cathode driven RF linear amplifier (432 MHz)	2,200	0.35	2,000		0.50	27	0.505
	Pulse modulator or regulator	4,500	6.0					

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 **TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com