Communications & Power Industries

3CX400A7/8874

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.

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
Current	3.0 Amps
Capacitance	Grounded Grid
Input	20.5 pf
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.

ISO 9001

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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