400 W HIGH MU POWER TRIODE 3CX400A7/8874

Communications & Power Industries Triode

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 gains as high as twenty can be obtained.

FEATURES:

Maximum plate dissipation:	400 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	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 cathode	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Capacitance: Grounded grid	
Input:	20.5 pF
Output:	6.0 pF
Feedthrough:	0.3 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

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Communications
- Amateur Service

		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	---	---	---	---	---

With a history of producing high quality products, we can help you with your triode.
Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only.
Formal, controlled specifications may be obtained from CPI for use in equipment design.

Communications & Power Industries

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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.