1750 W HIGH MU POWER TRIODE 3CW1750A7

Communications & Power Industries Triode

The 3CW1750A7 is a water-cooled high-mu triode intended for use as an RF amplifier in industrial applications where water cooling is preferred over air cooling. This tube is a water-cooled version of the 3CX1200A7.

FEATURES:

Maximum plate dissipation:	1,750 Watts
Maximum screen dissipation:	---
Maximum grid dissipation:	50 Watts
Frequency for max rating (CW):	110 MHz
Amplification factor:	200
Filament/cathode:	Thoriated Tungsten
Voltage:	7.5 Volts
Current:	21.0 Amps
Capacitance: Grounded cathode	
Input:	20.0 pF
Output:	12.0 pF
Feedthrough:	0.2 pF
Capacitance: Grounded grid	
Input:	--- pF
Output:	--- pF
Feedthrough:	--- pF
Cooling:	Water and Forced Air
Base:	5-Pin Special
Air Socket:	SK-2210
Air Chimney:	---
Boiler:	---
Length:	5.4 in; 13.7 cm
Diameter:	2.75 in; 6.99 mm
Weight:	2.5 lb; 1.1 kg

BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

APPLICATIONS:

- Industrial

		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)
AB	Cathode Driven RF Linear Amplifier	5,500	0.9	3,500	--	0.8	110	1.87
C	Cathode Driven RF Amplifier	5,500	0.9	5,000	--	0.8	43	2.7

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.

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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.