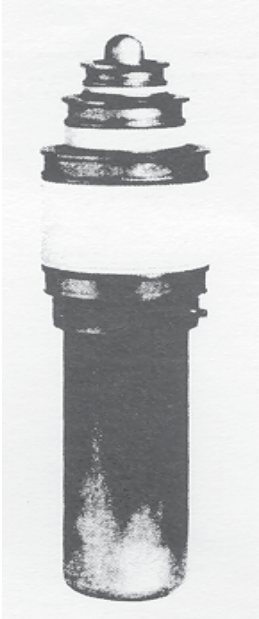
Communications & Power Industries

3CW60,000D3/ML-6696A

The 3CW60,000D3/ML-6696A is a water cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Its water cooled anode is conservatively rated at 60 kW of plate dissipation with low water flow and pressure drop. Input of 110 kW is permissible up to 40 MHz. Plentiful reserve emission is available from its 2665 watt filament. The grid structure is rated at 1000 watts, making this tube an excellent choice for industrial service.



CHARACTERISTICS

Plate Dissipation (Max.)	60,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	1,000 Watts
Frequency for Max. rating (CW)	40 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	13.0 Volts
Current	205 Amps
Capacitance	Grounded Cathode
Input	76.0 pf
Output	55.0 pf
Feedthrough	2.7 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Water and Forced Air
Base	Coaxial
Air Socket	---
Air Chimney	---
Boiler	---
Length	19.4 in; 492.3 mm
Diameter	5.3 in; 134.5 mm
Weight	17 lb; 7.7 kg

		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)
B	Grid driven RF amplifier	16,000	9.0	12,000	---	6.8	1,500	28.0
C	Grid driven RF amplifier plate modulated	10,000	8.5	9,500	---	8.4	2,000	60.0
C	RF amplifier or oscillator	16,000	11.0	0	---	7.0	600	80.0

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