

The ML-6422 and 6422 are medium-Mu triodes used in AM broadcast and industrial heating applications. The water cooled anodes in these tubes are rated at 20 kilowatts.

## CHARACTERISTICS

Plate Dissipation (Max.)	20,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	600 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	90
Filament/Cathode	Thoriated Tungsten
Voltage	7.0 Volts
Current	85 Amps
Capacitance	Grounded Cathode
Input	30 pf
Output	2.0 pf
Cgp	24 pf
Capacitance	N/A
Input	pf
Output	pf
Feedthrough	pf
Cooling	Water and Forced Air
Base	Special
Air Socket	
Air Chimney	N/A
Boiler	N/A
Length	15.5 in; 39.3 cm
Diameter	tbs in; tbs cm
Weight	10 lb; 4.53 kg

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
C	Industrial Oscillator	12,500	2.5	10,000	-400	1.6	160	11.9
C	Industrial Oscillator	12,500	2.5	12,000	-400	2.1	200	18.2
C	Plate modulated RF amplifier (telephony)	9,000	1.8	9,000	-600	0.85	135	6.3

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](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303  
**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** [powergrid@cpii.com](mailto:powergrid@cpii.com)