

The ML-6425F and 6425F are medium-Mu triodes used in AM broadcast and industrial heating applications. The air-cooled anodes in these tubes are rated at 11 kilowatts.

## CHARACTERISTICS

Plate Dissipation (Max.)	11,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	600 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	7.0 Volts
Current	120 Amps
Capacitance	Grounded Cathode
Input	32 pf
Output (Max.)	3.0 pf
Cgp	26 pf
Capacitance	N/A
Input	pf
Output	pf
Feedthrough	pf
Cooling	Forced Air
Base	Special
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	16.0 in; 39.3 cm
Diameter	8.125 in; 20.6 cm
Weight	50 lb; 22.68 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	3.5	10,000	-1,000	3.3	430	24.4
C	Industrial Oscillator	12,500	3.5	12,000	-1,000	3.3	430	30.6
C	Plate modulated RF amplifier (telephony)	9,000	2.5	8,500	-1,400	1.8	330	12.1

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.



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**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** [powergrid@cpii.com](mailto:powergrid@cpii.com)