

The ML-6427 and 6427 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.)	750 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	8.0 Volts
Current	200 Amps
Capacitance	Grounded Cathode
Input	50.0 pf
Output (Max.)	1.8 pf
Feedthrough	38.0 pf
Capacitance	N/A
Input	N/A
Output	N/A
Feedthrough	N/A
Cooling	Forced Air
Base	Special
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	16.125 in; 40.9 cm
Diameter	5.25 in; 13.3 cm
Weight	30 lb; 13.6 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	8.0	10,000	---	6.5	900	46.4
C	Industrial Oscillator	12,500	8.0	12,000	---	6.4	670	55.4
C	Plate Modulated RF Amplifier (Telephony)	9,000	5.5	8,500	---	4.8	1,100	30.7

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 MPP products, visit our website at: www.cpii.com, or contact: CPI Microwave Products Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303
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