

The ML-6421F and 6421F are medium-Mu triodes used in AM broadcast and industrial heating applications. The air-cooled anode is rated at 10 kilowatts.

CHARACTERISTICS

Plate Dissipation (Max.)	10,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	375 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	7.0 Volts
Current	85 Amps
Capacitance	Grounded Cathode
Input	30 pf
Output	2.0 pf
Cgp	19 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	14.5 in; 36.8 cm
Diameter	8.25 in; 21 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	10,000	2.2	8,000	-700	1.0	100	6.1
C	Industrial Oscillator	10,000	2.2	9,000	-750	2.0	240	13.2
C	Plate modulated RF amplifier (telephony)	8,000	1.8	6,000	-800	1.25	270	5.9

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 Operation, 607 Hansen Way, Palo Alto, CA 94303
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