



ML-6425/6425

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 120 Amps Current

Capacitance **Grounded Cathode**

Input 32 pf Output (Max.) 3.0 pf Cap 26 pf Capacitance N/A Input pf Output pf pf Feedthrough

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

			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)	
С	Industrial Oscillator	12,500	3.5	10,000	-1,000	3.3	430	24.4	
С	Industrial Oscillator	12,500	3.5	12,000	-1,000	3.3	430	30.6	
С	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.



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