

The ML-7482 is a vapor cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Its vapor cooled anode is conservatively rated for 200 kW of plate dissipation. A glazed ceramic is used to make insulator cleaning easy. Input of 640 kW is permissible up to 30 MHz. Plentiful reserve emission is available from its 6525 watt filament. The grid structure is rated at 2.5 kW, making this tube an excellent choice for industrial service.



CHARACTERISTICS

Plate Dissipation (Max.)	200,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	2,500 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	45
Filament/Cathode	Thoriated Tungsten
Voltage	14.5 Volts
Current	450 Amps
Capacitance	---
Input	200 pf
Output	75 pf
Feedthrough	4 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Vapor and Forced Air
Base	Coaxial
Air Socket	---
Air Chimney	---
Boiler	---
Length	26.3 in; 668.0 mm
Diameter	11.4 in; 289.6 mm
Weight	120 lb; 54.5 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)
AB	Grid driven linear RF amplifier	20,000	35	20,000	---	9.6	5,000	115.0
C	Plate modulatef RF amplifier	15,000	20	15,000	---	20.5	5,700	220.0
C	RF power amplifier or oscillator	20,000	35	20,000	---	29	6,000	440.0

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 Operations, 607 Hansen Way, Palo Alto, CA 94303
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