

EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

EM-747

Voltage Tunable
Magnetron

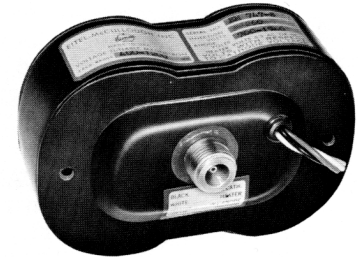
Frequency
400—1200 Mc

Minimum Output
Power 50 mW Min.

TYPICAL PERFORMANCE

ELECTRICAL

Frequency Range	- - - - -	0.4-1.2 kMc
Anode Voltage	- - - - -	660-1980 V
Cathode Current	- - - - -	2-8 mA
Typical Output Power	- - - - -	75-250 mW
Anode FM Sensitivity	- - - - -	.65 Mc/V
Injection Anode Voltage	- - - - -	200 V
Injection Anode Current	- - - - -	0 mA
Heater Voltage (AC or DC)	- - - - -	6.3 V
Heater Current (AC or DC)	- - - - -	0.8 A
Load Impedance	- - - - -	50 ohms
Service	- - - - -	cw

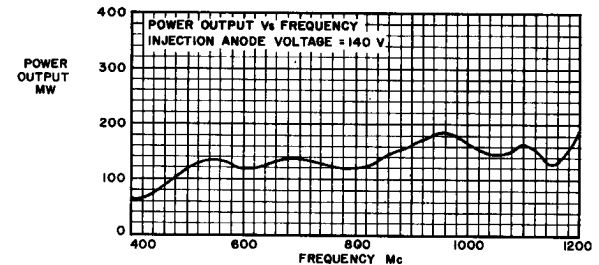


L-BAND OSCILLATOR

*MAXIMUM RATINGS

Anode Voltage	- - - - -	2000 V
Cathode Current	- - - - -	20 mA
Injection Anode Voltage	- - - - -	500 V
Injection Anode Current	- - - - -	1 mA

*Damage to the tube may occur if maximum ratings are exceeded.



MECHANICAL

Operating Position	- - - - -	Any
Cooling	- - - - -	Conduction
Electrical Connection	- - - - -	Flexible Leads
RF Output Coupling	- - - - -	Type N Jack
Weight	- - - - -	3.0 Pounds

ENVIRONMENTAL

Vibration	- - - - -	10G-(to 2kc)
Shock	- - - - -	-100G-(11ms)
Altitude	- - - - -	70,000 ft.

OUTLINE DIMENSIONS

Height	- - - - -	3 inches
Width	- - - - -	1.6 inches
Length	- - - - -	4.5 inches

