



EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

X-1094

**Voltage Tunable
Magnetron**

**Frequency
375 - 481 Mc**

**Minimum Output
Power 50 mW**

TYPICAL PERFORMANCE

ELECTRICAL

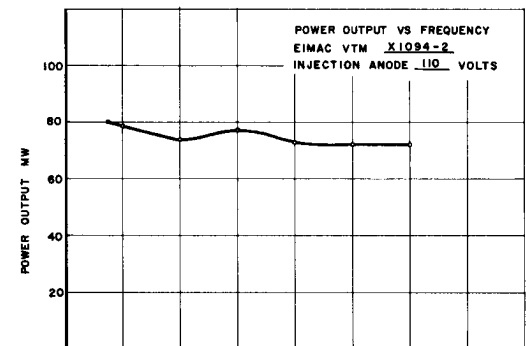
Frequency Range	- - - - -	375-480 Mc
Anode Voltage	- - - - -	1355-1700 V
Cathode Current	- - - - -	.45 to .55 mA
Typical Output Power	- - - - -	75 mW
Anode FM Sensitivity	- - - - -	.3 Mc/V
Injection Anode Voltage	- - - - -	100 V
Injection Anode Current	- - - - -	0.0 mA
Heater Voltage (AC or DC)	- - - - -	6.3 V
Heater Current (AC or DC)	- - - - -	0.8 A
Load Impedance	- - - - -	50 ohms
Service	- - - - -	cw

P-BAND OSCILLATOR

*MAXIMUM RATINGS

Anode Voltage	- - - - -	2000 V
Cathode Current	- - - - -	10 mA
Injection Anode Voltage	- - - - -	250 V
Injection Anode Current	- - - - -	1 mA

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



FREQUENCY MC	360	380	400	420	440	460	480	500
ANODE VOLTAGE	1355	1420	1488	1567	1630	1695		
ANODE CURRENT MA	.45	.5	.5	.5	.5	.55		

MECHANICAL

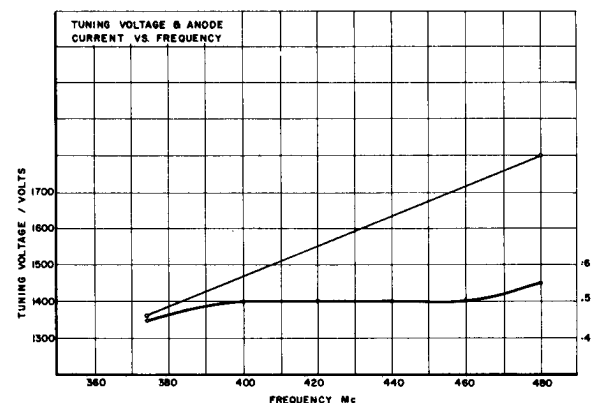
Operating Position	- - - - -	Any
Cooling	- - - - -	Conduction
Electrical Connection	- - - - -	Flexible Leads
RF Output Coupling	- - - - -	Type N Jack
Weight	- - - - -	3.5 Pounds

ENVIRONMENTAL

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

OUTLINE DIMENSIONS

Height	- - - - -	3 inches
Width	- - - - -	2.1 inches
Length	- - - - -	4.5 inches



CONNECTIONS
GROUND - GREEN
HEATER - WHITE
HEATER CATHODE - BLACK
INJECTION ANODE - YELLOW