

EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

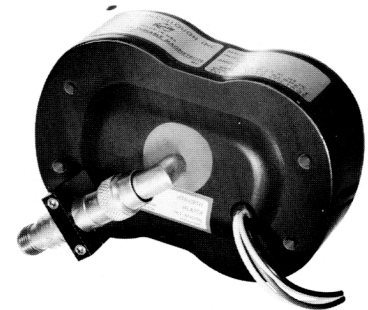
X-1083B

Low Noise
Voltage Tunable
Magnetron
Frequency
320 - 525 Mc
Minimum Power
Output 32 mW

TYPICAL PERFORMANCE

ELECTRICAL

Frequency Range	- - - - -	320-525 Mc
Anode Voltage	- - - - -	1230-2000 V
Cathode Current	- - - - -	0.5-1.5 mA
Typical Output Power	- - - - -	30-50 mW
Anode FM Sensitivity	- - - - -	.26 Mc/V
Injection Anode Voltage	- - - - -	100 V
Injection Anode Current	- - - - -	0.02 mA
Heater Voltage (AC)	- - - - -	6.3 V
Heater Current (AC)	- - - - -	0.8 A
Load Impedance	- - - - -	50 ohms
Service	- - - - -	cw
Noise	- - - - -	-85 db
		(See Note 5)
VSWR (max)	- - - - -	2:1



**P-BAND
OSCILLATOR**

MAXIMUM RATINGS*

Anode Voltage	- - - - -	2300 V
Cathode Current	- - - - -	10 mA
Injection Anode Voltage	- - - - -	+300 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 TNC Jack
		(See Outline Drawing)
Weight	- - - - -	3.5 Pounds

ENVIRONMENTAL

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

OUTLINE DIMENSIONS

Height	- - - - -	3.1 inches
Width	- - - - -	2.5 inches
Length	- - - - -	4.6 inches

