

EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

X-1087

**VOLTAGE TUNABLE
MAGNETRON**

**FREQUENCY
515-605 Mc**

**MINIMUM POWER OUTPUT
10 WATTS**

TYPICAL PERFORMANCE

ELECTRICAL

Frequency Range	- - - - -	515	605	Mc
Anode Voltage	- - - - -	1480	1790	V
Cathode Current	- - - - -	13	15	mA
Typical Output Power	- - - - -		10	W
Anode FM Sensitivity	- - - - -		0.3	Mc/V
Injection Anode Voltage	- - - - -		500	V
Injection Anode Current	- - - - -		0.1	mA
Heater Voltage (AC)	- - - - -		6.3	V
Heater Current (AC)	- - - - -		0.8	A
Load Impedance	- - - - -		50	ohms
Service	- - - - -			cw

***MAXIMUM RATINGS**

Anode Voltage	- - - - -	2500	V
Cathode Current	- - - - -	25	mA
Injection Anode Voltage	- - - - -	+700	V
Injection Anode Current	- - - - -	1	mA

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

MECHANICAL

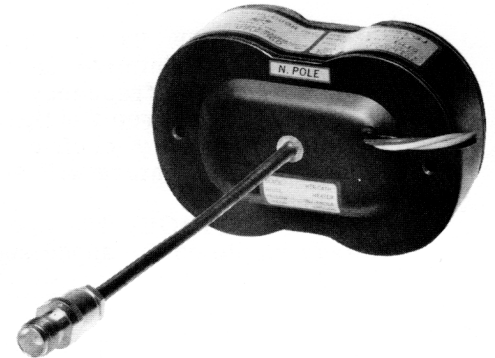
Operating Position	- - - - -	Any
Cooling	- - - - -	Conduction
Electrical	- - - - -	Flexible Leads
RF Output Coupling	- - - - -	Type TNC Female
Weight	- - - - -	3.5 Pounds

ENVIRONMENTAL

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

OUTLINE DIMENSIONS

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



**P-BAND
OSCILLATOR**

