



EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

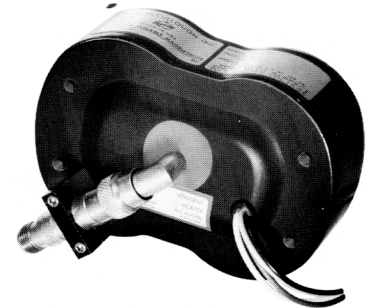
X-1083B

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 |

