

EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

X-1150

VOLTAGE TUNABLE
MAGNETRON

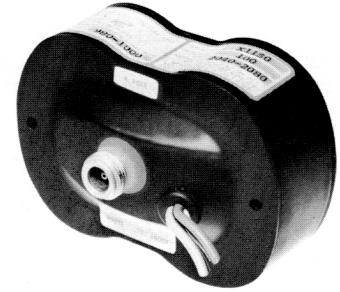
FREQUENCY
980 - Mc 1020

MINIMUM OUTPUT
POWER 40 W

TYPICAL PERFORMANCE

ELECTRICAL

| | | |
|-------------------------|-----------|-------------|
| Frequency Range | - - - - - | 980 Mc 1020 |
| Anode Voltage | - - - - - | 2040 V 2120 |
| Cathode Current | - - - - - | 45-50 mA |
| Typical Output Power | - - - - - | 45 W |
| Anode FM Sensitivity | - - - - - | .45 Mc/V |
| Injection Anode Voltage | - - - - - | 200 V |
| Injection Anode Current | - - - - - | 0.0 mA |
| Heater Voltage (AC) | - - - - - | 6.3 V |
| Heater Current (AC) | - - - - - | 0.8 A |
| Load Impedance | - - - - - | 50 ohms |
| Service | - - - - - | cw |

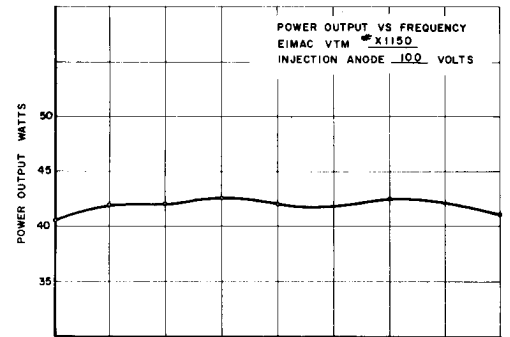


L-BAND
OSCILLATOR

*MAXIMUM RATINGS

| | | |
|-------------------------|-----------|--------|
| Anode Voltage | - - - - - | 2500 V |
| Cathode Current | - - - - - | 60 mA |
| Injection Anode Voltage | - - - - - | 500 V |
| Injection Anode Current | - - - - - | 1 mA |

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



| FREQUENCY MC | 980 | 985 | 990 | 995 | 1000 | 1010 | 1020 |
|------------------|------|------|------|------|------|------|------|
| ANODE VOLTAGE | 2040 | 2047 | 2058 | 2064 | 2080 | 2100 | 2120 |
| ANODE CURRENT MA | 45 | 47 | 46 | 47 | 49 | 51 | 52 |

MECHANICAL

| | | |
|-----------------------|-----------|----------------|
| Operating Position | - - - - - | Any |
| Cooling | - - - - - | Forced Air |
| 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 | - - - - - | 35 inches |
| Width | - - - - - | 2.5 inches |
| Length | - - - - - | 4.5 inches |

