

EITEL-McGULLOUGH, INC.
SAN CARLOS, CALIFORNIA

TENTATIVE DATA

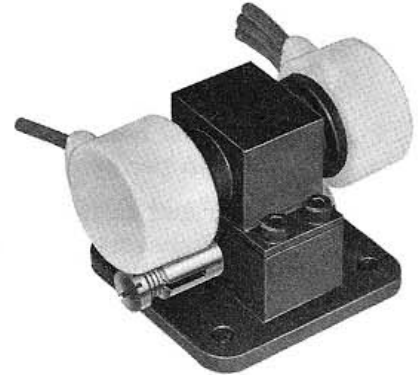
X1126

KU BAND
REFLEX KLYSTRON

TYPICAL PERFORMANCE

ELECTRICAL PERFORMANCE

| | |
|--|-------------------------------|
| Frequency range | 16.0 to 17.0 Gc |
| Mechanically tunable | 1000 Mc |
| Power output | 20 mW |
| Electronic tuning range (3 db bandwidth) | 50 Mc |
| Resonator voltage | 300 Vdc |
| Cathode current | 30 mAdc max. |
| Repeller voltage | -80 to -100 Vdc |
| Modulation sensitivity | 5.0 Mc/V max. |
| Heater voltage 6.3 V | (ac or dc) ± 5% |
| Heater current | 1.3 A max. |
| Mode | 6 ³ / ₄ |
| VSWR of load | 1.2:1 max. |
| Temperature coefficient | ± 150 Kc/°C |
| Warm-up time | 20 sec. |



MAXIMUM RATINGS

| | |
|--|-----------------|
| Resonator voltage | 500 Vdc |
| Cathode current | 55 mA |
| Repeller voltage: | |
| Negative with respect to cathode | -25 to -500 Vdc |

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

MECHANICAL

| | |
|---|---------------------------|
| Operating position | any |
| Electrical connections | flexible leads |
| RF output coupling | RG-91/U wave-guide flange |
| Cooling required | conduction |
| Net weight | 5 oz. |
| Shipping weight (approximate) | 4 lbs. |

ENVIRONMENTAL PERFORMANCE

| | |
|-----------------------------|---------------------|
| Temperature range | -50 to +100 °C |
| Altitude | 100,000 ft. max. |
| Vibration | 10G, 20 to 2000 cps |
| Shock | 40 G, 11 ms |

OUTLINE DIMENSIONS

| | |
|------------------|---------|
| Height | 1.4 in. |
| Width | 1.3 in. |
| Length | 2.1 in. |

