



EIMAC

A Division of Varian Associates
SAN CARLOS, CALIFORNIA

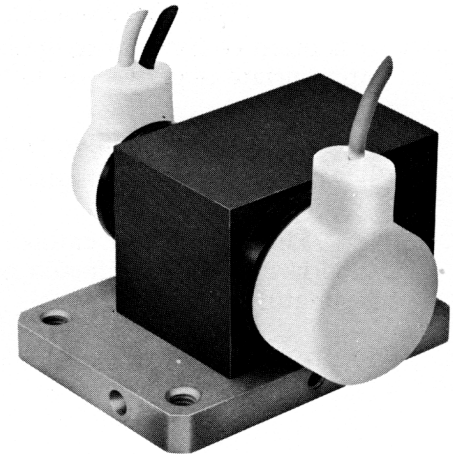
X-1095

**REFLEX
KLYSTRON**

TYPICAL PERFORMANCE

ELECTRICAL PERFORMANCE

| | |
|---|--|
| Frequency Setting - - - | -factory preset at frequency between 5.9 & 6.7 Gc |
| Power Output - - - - | 400 mW |
| Electronic Tuning Range (3 db bandwidth) - - - | 100 Mc |
| Resonator Voltage - - - - | 600 Vdc |
| Cathode Current - - - - | 45 mA |
| Repeller Voltage - - - - | —100 to —200 Vdc |
| Modulation Sensitivity - - - | 2.0 to 3.0 Mc/V |
| Heater Voltage - - - - | 6.3 V (ac or dc) |
| Heater Current - - - - | 0.7 A |
| Mode - - - - - | 4¾ |
| VSWR of Load - - - - | 1.2:1 max |
| Temperature Coefficient - - - | ±50 kc/°C |
| Warm-up Time - - - - | 30 seconds |



MAXIMUM RATINGS

| | |
|---|-----------------|
| Resonator Voltage - - - - - | 700 Vdc |
| Cathode Current - - - - - | 60 mA |
| Repeller Voltage (negative with respect to the cathode) - - - - - | —50 to —500 Vdc |

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

MECHANICAL

| | |
|---|---------------------|
| Operating Position - - - - - | Any |
| Electrical Connection - - - - - | Flexible Leads |
| RF Output Coupling - - - - - | See Outline Drawing |
| Cooling Required - - - - - | Conduction |
| Net Weight - - - - - | 6 ounces |
| Shipping Weight (approximate) - - - - - | 4 Pounds |

ENVIRONMENTAL PERFORMANCE

| | |
|-----------------------|---------------------|
| Temperature - - - - - | —55°C to +125°C |
| Altitude - - - - - | 70,000 feet max |
| Vibration - - - - - | 10 G, 5 to 2000 cps |
| Shock - - - - - | 100 G, 11 ms |

OUTLINE DIMENSIONS

| | |
|------------------|-------------|
| Height - - - - - | 1.42 inches |
| Width - - - - - | 2.00 inches |
| Length - - - - - | 2.45 inches |

