



**EITEL-McCULLOUGH, INC.**  
SAN CARLOS, CALIFORNIA

# X-1130

REFLEX KLYSTRON

OPERATING FREQUENCY

15-18 Gc

TRIMMABLE  $\pm 50$  Mc

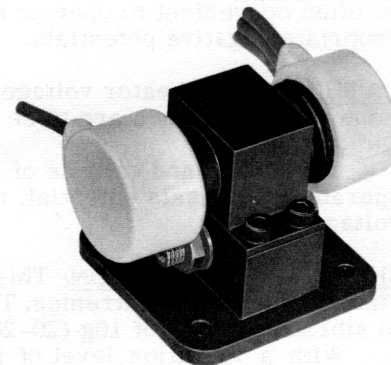
MINIMUM OUTPUT POWER

200 mW

## TYPICAL PERFORMANCE

### ELECTRICAL

Frequency Range	15.0 to 18 Gc (preset)
Resonator Voltage <sup>2</sup>	.500 V
Output Power	.250 mW
Cathode Current	52 mA <sub>dc</sub>
Repeller Voltage	-300 V
3db Bandwidth	35 Mc
Modulation Sensitivity	0.7 Mc/V
Temperature Coefficient	$\pm 150$ Kc/ $^{\circ}$ C
Heater Voltage (AC) <sup>3</sup>	6.3 V
Heater Current(AC)	1.25 A
VSWR	1.2:1 max
Mode	3-3/4



KU-BAND

### MECHANICAL

Operating Position	Any
Mounting	Waveguide Flange
RF Output Coupling	RG-91/U waveguide
Net Weight	.6 ounces
Cooling <sup>1</sup>	(See note 1)

### ENVIRONMENTAL

Maximum Ambient Temperature	150 $^{\circ}$ C
Maximum Altitude	NO LIMIT
Maximum Shock (Hms duration) <sup>4</sup>	40 g
Maximum Operating Vibration (20-2000cps) <sup>4</sup>	10 g

### OUTLINE DIMENSION

Height	1.40 inches
Width	1.312 inches
Length	2.100 inches

