

EITEL-McCULLOUGH, INC.
SAN CARLOS, CALIFORNIA

TENTATIVE DATA

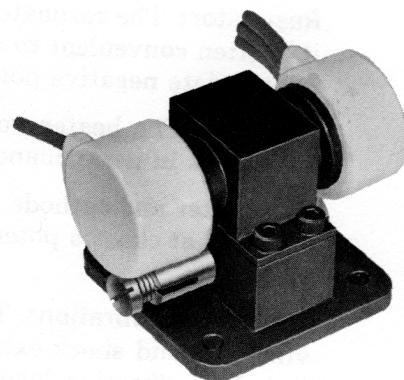
X1126B

KU BAND
REFLEX KLYSTRON

TYPICAL PERFORMANCE

ELECTRICAL PERFORMANCE

Frequency range	16.5 to 17.2 Gc
Mechanically tunable	700 Mc
Power output	20 mW
Electronic tuning range (3 db bandwidth)	40 Mc
Resonator voltage	300 Vdc
Cathode current	30 mAdc max.
Repeller voltage	-40 to -150 Vdc
Modulation sensitivity	1.3 to 3.5 Mc/V
Heater voltage	6.3 V (ac or dc) $\pm 5\%$
Heater current	1.3 A max.
Mode	5 $\frac{3}{4}$
VSWR of load	1.2:1 max.
Temperature coefficient	-200 to -400 Kc/ $^{\circ}$ 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	-55 to +120 $^{\circ}$ 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.

(EFFECTIVE 4-1-64)

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