

Serial No. 18152

Model No. 322-24D

Customer P/N 570887-1 REV E.H

Data by [Signature]



Date 2/23/89

S.O. No. 62159-001

TEST DATA #1

Tuning Voltage	Linear Freq. (GHz)	+25 °C		+70 °C		-0 °C	
		Δf^* (MHz)	Power (mW)	Δf (MHz)	Power (mW)	Δf (MHz)	Power (mW)
0	Fc	-1.9	36	-0.8	37	-2.1	34
1	Fc +.2	-1.8	42	-0.8	44	-1.7	38
2	Fc +.4	-1.7	47	-0.5	46	-1.6	44
3	Fc +.6	-0.8	38	+0.7	37	-1.1	37
4	Fc +.8	+1.5	33	+2.9	32	+1.1	32
5	Fc +1.0	+2.3	36	+3.5	36	+2.0	34
6	Fc +1.2	+3.5	32	+4.7	32	+3.7	30
7	Fc +1.4	+4.1	30	+5.2	30	+4.6	28
8	Fc +1.6	+3.6	28	+4.6	29	+4.2	27
9	Fc +1.8	+1.2	28	+2.1	28	+2.0	27
10	Fd - 0.2	-2.7	24	-2.4	24	-1.3	24
Specification		$\pm 11^*$ Max	10 Min	± 11 Max	10 Min	± 11 Max	10 Min

* ΔF @ 0.0 and 10.0 V tuning @ +25°C to be $\pm 0.2\%$ Max.



Communications Products Division
Yig-Tek Products
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SIZE

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CODE IDENT.

34657

DWG. NO.

73-0040-0000

REV.

D


SCALE

SHEET 17 OF 18

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S.O. No. 62159-001 TEST DATA #1 Specifications

1. Maximum Power Output Variation 2.9 db @ +25° °C 5dB Max
2. Maximum Second Harmonic >-20 dBC -18 dBC Min
3. Maximum Third Harmonic >-30 dBC -30 dBC Min
4. Maximum Non-Harmonic Spurious >-50 dBC -50 dBC Min
5. Pulling 1.5:1 VSWR @ 0.0 V <1 MHz
 @ 5.0 V <1 MHz 1 MHz Max
 @ 10.0 V <1 MHz
6. Pushing @ 5.0 Volts <2.5 MHz 3 MHz/Volt Max
7. Tuning Response Time
 (Fd - 0.2) to Fc -6 MHz <1 MS 2 MS Max
 (Fd - 0.2) to Fc +6 MHz <1 MS 2 MS Max
 Fc to (Fd - 0.2) -6 MHz <1 MS 2 MS Max
 Fc to (Fd - 0.2) +6 MHz <1 MS 2 MS Max
 25 MHz step within ±0.5 MHz <45 US 50 US Max
8. Input Power + 15 VDC 105.5 MA 175 MA Max
 - 15 VDC 518.7 MA 600 MA Max
9. Visual and Mechanical 2/24/89 
10. Heater Current, Steady Stage 25.9 mA 100 mA Max
 Heater Surge Current <500 mA 500 mA Max
11. Fine Grain Po Variation <1.0 Less than 1.0 db/50 MHz

