

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.



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Yig-Tek Products
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Sunnyvale, CA 94086

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



