

TEST DATA SHEET

Ortel Corporation Test Data Sheet (TDS)		Effectivity: 2/1/1994		TDS309107 REV. A (Ref ATP19301)	
WRITTEN BY: Dave Huff		DUT S/N: <u>4551</u>		DATE: <u>10/9/95</u>	
MODEL: 3510A		OPTIONS: <u>001-023</u>		OPERATOR: <u>R.C</u>	
PROCEDURE NUMBER	TEST TITLE	MAX	MIN	MEAS	UNITS
N/A	VERIFY FROM TRAVELLER THAT THE FOLLOWING TESTS WERE PASSED: THERMISTOR, TEC, MPD, MPD DARK CURRENT	PASS	FAIL	Pass	N/A
10251-017	OPTICAL POWER @Ith+20mA	-	0.4	1.13	mW
	SLOPE EFFICIENCY	N/A	N/A	N/A	mW/mA
	THRESHOLD	N/A	-	N/A	mA
19251-009	OPTICAL SPECTRUM, PEAK WAVELENGTH	1340	1280	1308.2	nm
	SIDEMODE SUPPRESSION	-	N/A	N/A	dB
	FWHM	3.0	-	2.25	nm
19250-032	FREQUENCY RESPONSE * 0.01-3.0GHz	+1.5	-1.5	+0.82	dB
19250-004	RF RETURN LOSS	-	9.6	15.26	dB
19251-031	SIGNAL/NOISE 0.1GHz (+10dBm, 3MHz RBW)	-	50	65	dB
	1.0	-	55	68	dB
	3.0	-	55	65	dB
19251-031	EQUIVALENT INPUT NOISE (no rf) 0.1GHz	-100	-	-131.87	dBm/Hz
	1.0GHz	-115	-	-134.64	dBm/Hz
	3.0GHz	-115	-	-129.64	dBm/Hz
19308	INTERCEPT POINT (IP3) N/A	-	N/A	N/A	dBm
	N/A	-	N/A	N/A	dBm
	N/A	-	N/A	N/A	dBm
N/A	VERIFY FROM TRAVELLER THAT ENVIRONMENTAL TESTS WERE PASSED (OP.TEMP CYCLE 0°C TO +50 C)	NO	YES	YES	N/A

*Relative to the value at 1GHz

DUT BIAS SETPOINT: 34 mA

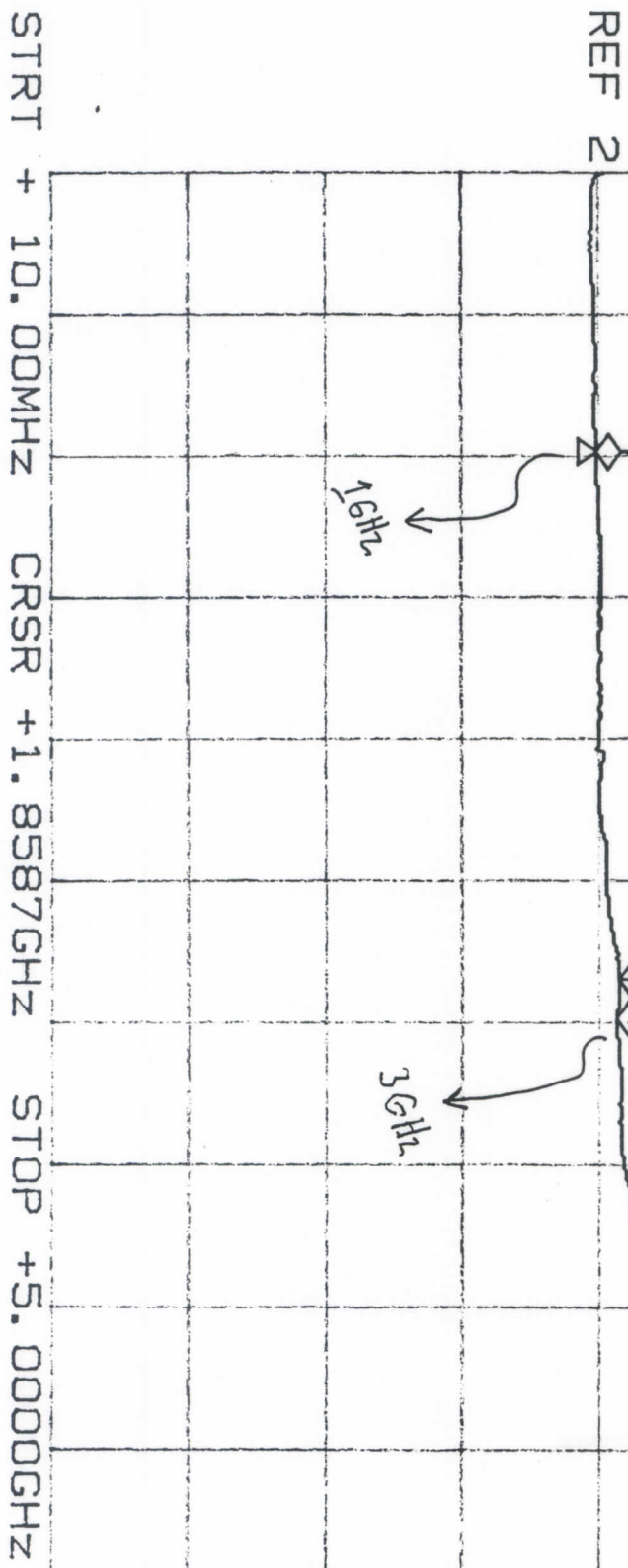
FINAL OPTICAL POWER: 1.13 mW



CH2: B +82 dB
5.0 dB / REF -32.35 dB

FREQUENCY RESPONSE

LASER BIAS 34 mA



STRT + 10.00MHz CRSR +1.8587GHz STOP +5.0000GHz

CH1: A - 15.26 dB
5.0dB/ REF - 9.60 dB

INPUT RETURN LOSS

LASER BIAS 34 mA

REF 1

STRT + 10.00MHz CRSR +3.0040GHz STOP +5.0000GHz

