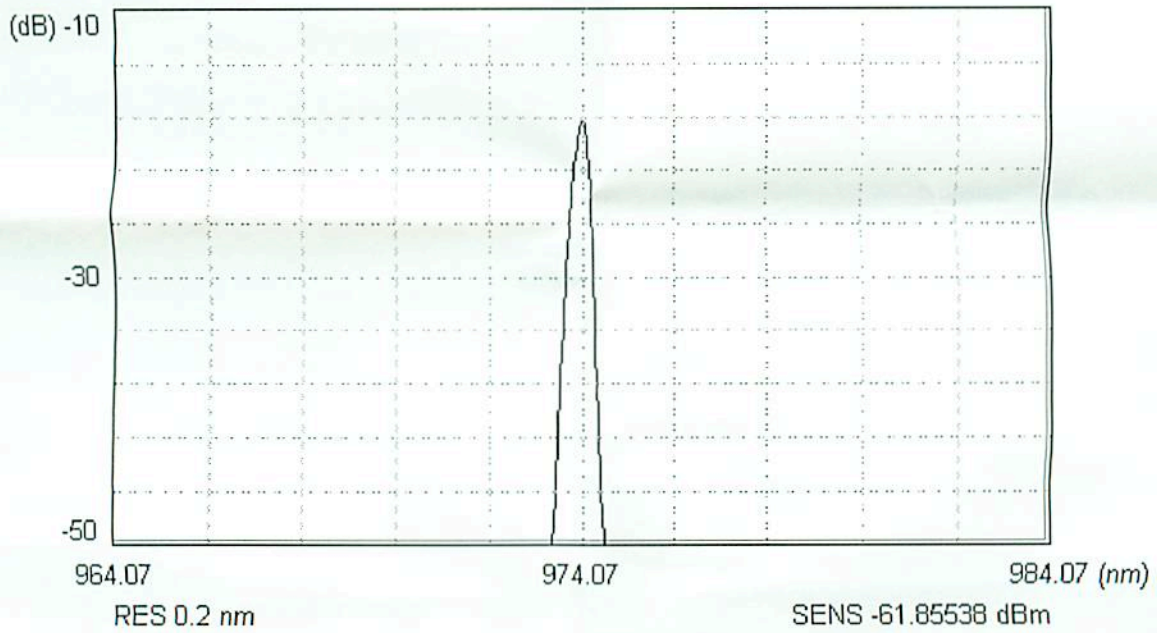


# 980 PUMP SPECTRAL PLOT



Case temperature : 25 C  
Submount temperature : 10 kohms  
Laser current : 202.2 mA  
RMS Centre wavelength : 974.0 nm  
RMS width @ -13 dB : 0.20 nm

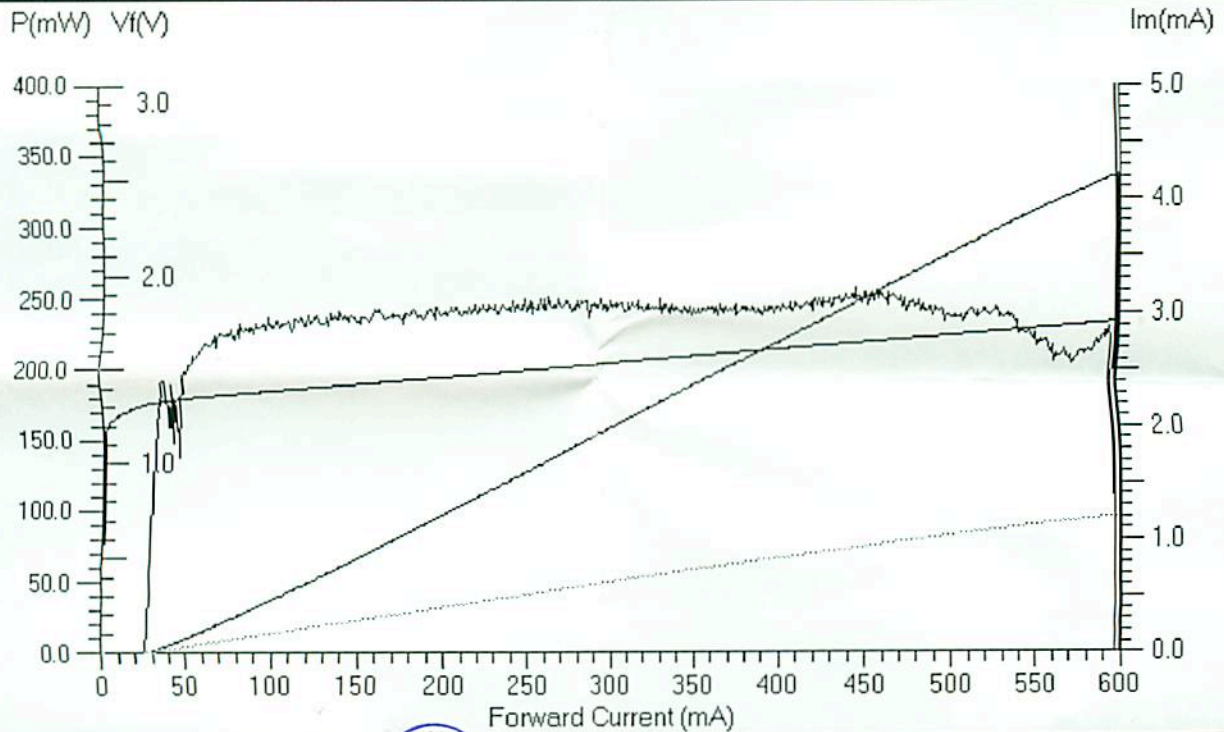
Software ID : 3.03.22  
Test head : PACKAGE  
Chip Serial No. : 76794Z-W0409  
Node No. : 570  
Device Serial No. : SO277494.001



Operator : YCHZ

09 June 2008 23:07:20

# 980 Electro Optical Characteristics



Device Ser No. : SO277494.001  
 Chip Ser No. : 76794Z-W0409  
 Date : 09 June 2008 23:09:40



Software Name : 3.03.22  
 Tester ID : YCHZ  
 Node No. : 570

Case temperature 25 Deg C unless stated

Monitor dark current	(nA)	.50
Threshold current	(mA)	28.7
Laser forward current @ 150mW facet power	(mA)	202.2
Fibre power @ 150 mW facet power	(mW)	98.6
Monitor photodiode current @ 150 mW facet Po	(mA)	.41
Monitor Photodiode Responsivity	(uA/mW)	4.17
Forward Voltage @ 150 mW facet power	(V)	1.47

Laser Current for 100 mW & 110 mW Fibre Power	(mA)	204.7	221.7
Laser Current for 120 mW & 130 mW Fibre Power	(mA)	237.7	253.7
Laser Current for 140 mW & 150 mW Fibre Power	(mA)	270.7	286.7
Laser Current for 160 mW & 170 mW Fibre Power	(mA)	302.7	319.7
Laser Current for 180 mW & 190 mW Fibre Power	(mA)	335.7	351.7
Laser Current for 200 mW & 210 mW Fibre Power	(mA)	368.7	384.7
Laser Current for 220 mW & 230 mW Fibre Power	(mA)	401.7	417.7
Laser Current for 240 mW & 250 mW Fibre Power	(mA)	433.7	449.7
Laser Current for 260 mW & 270 mW Fibre Power	(mA)	465.7	481.7
Laser Current for 280 mW & 290 mW Fibre Power	(mA)	498.7	514.7
Laser Current for 300 mW Fibre Power	(mA)	531.7	

Linear Power & Current (-20 - 75 Deg C)	(mW)	(mA)	319.2	598.0
Rated Power & Current (450 mA limit)	(mW)	(mA)	250.3	450.0
Rated Power & Current (500 mA limit)	(mW)	(mA)	281.1	500.0
Rated Power & Current (550 mA limit)	(mW)	(mA)	310.7	550.0
Rated Power & Current (600 mA limit)	(mW)	(mA)	336.4	598.0
Rated monitor current (400 mA limit)		(mA)		.80

TEC Current @ If=550 mA, 75 Deg C Case	(A)	1.00
TEC Voltage @ If=550 mA, 75 Deg C Case	(V)	1.90
Thermistor Resistance @ 25 Deg C	(kOhms)	10.11