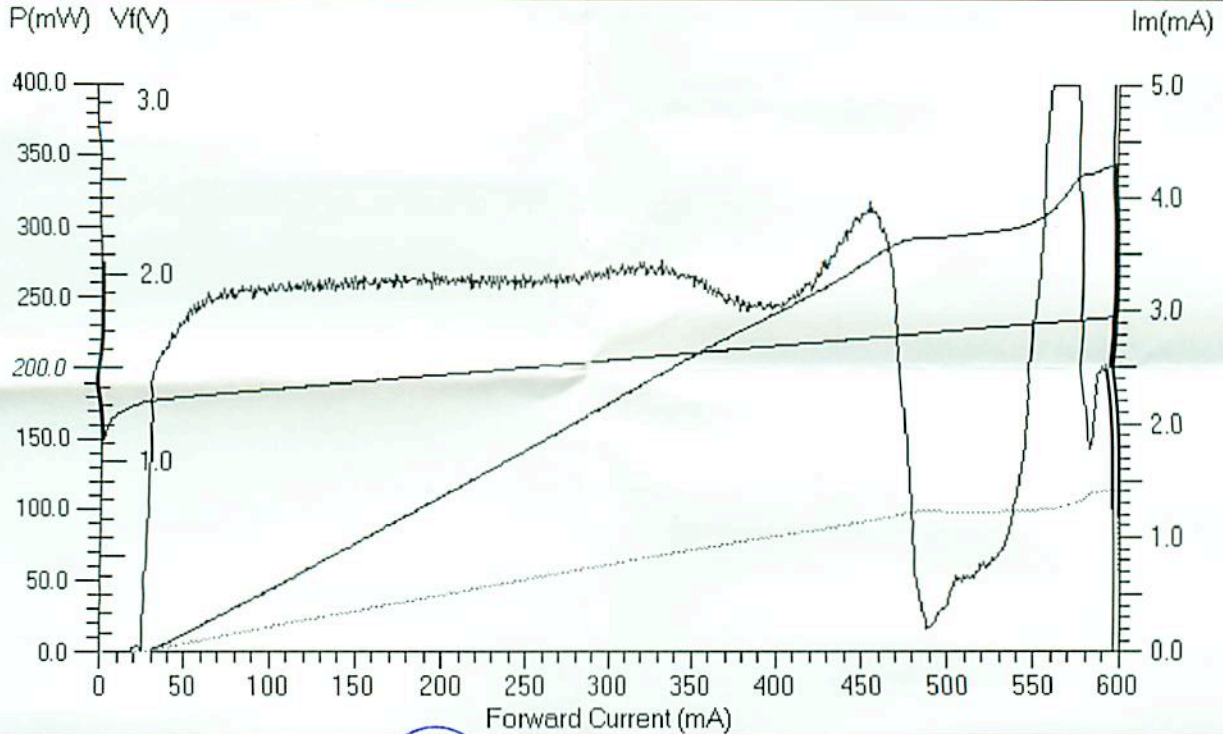


980 Electro Optical Characteristics



Device Ser No. : SO277444.001
 Chip Ser No. : 76779Z-W1225
 Date : 10 June 2008 00:44:32



Software Name : 3.03.22
 Tester ID : XFL
 Node No. : 569

Case temperature 25 Deg C unless stated

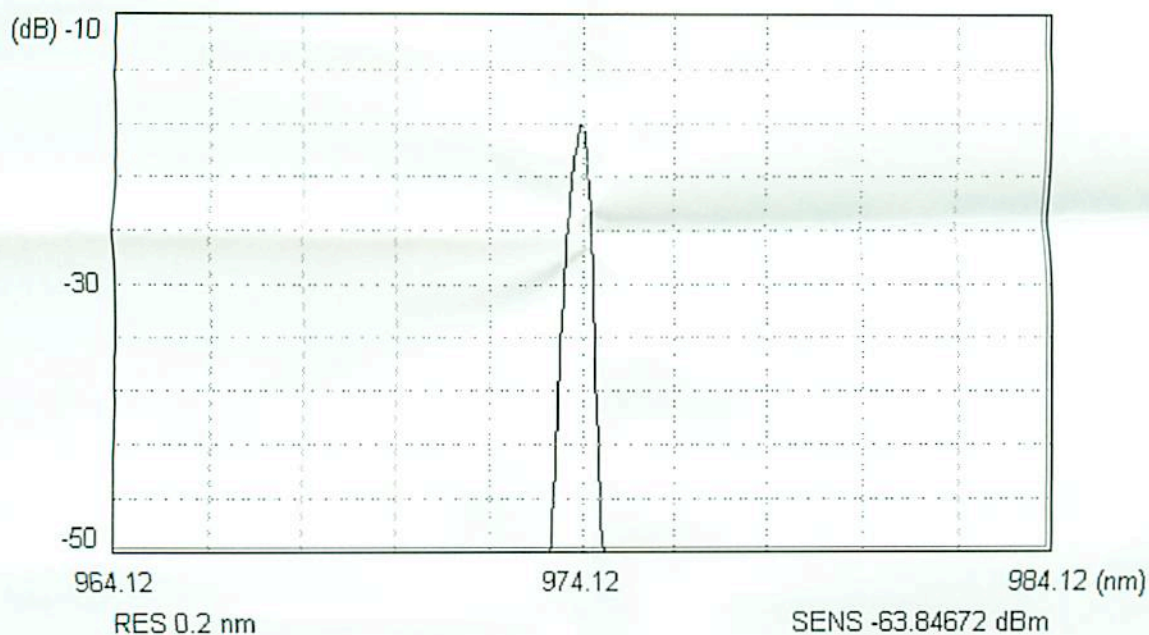
Monitor dark current	(nA)	3.10
Threshold current	(mA)	27.2
Laser forward current @ 150mW facet power	(mA)	195.3
Fibre power @ 150 mW facet power	(mW)	105.4
Monitor photodiode current @ 150 mW facet Po	(mA)	.49
Monitor Photodiode Responsivity	(uA/mW)	4.61
Forward Voltage @ 150 mW facet power	(V)	1.46

Laser Current for 100 mW & 110 mW Fibre Power	(mA)	187.1	203.2
Laser Current for 120 mW & 130 mW Fibre Power	(mA)	218.1	233.1
Laser Current for 140 mW & 150 mW Fibre Power	(mA)	249.1	264.1
Laser Current for 160 mW & 170 mW Fibre Power	(mA)	279.1	294.1
Laser Current for 180 mW & 190 mW Fibre Power	(mA)	309.1	324.1
Laser Current for 200 mW & 210 mW Fibre Power	(mA)	339.1	354.1
Laser Current for 220 mW & 230 mW Fibre Power	(mA)	370.1	386.1
Laser Current for 240 mW & 250 mW Fibre Power	(mA)	402.1	418.1
Laser Current for 260 mW & 270 mW Fibre Power	(mA)	433.1	447.1
Laser Current for 280 mW & 290 mW Fibre Power	(mA)	460.1	476.1
Laser Current for 300 mW Fibre Power	(mA)	544.1	

Linear Power & Current (-20 - 75 Deg C)	(mW)	(mA)	271.7	472.0
Rated Power & Current (450 mA limit)	(mW)	(mA)	271.3	450.0
Rated Power & Current (500 mA limit)	(mW)	(mA)	286.2	472.0
Rated Power & Current (550 mA limit)	(mW)	(mA)	286.2	472.0
Rated Power & Current (600 mA limit)	(mW)	(mA)	286.2	472.0
Rated monitor current (400 mA limit)		(mA)		.95

TEC Current @ If=550 mA, 75 Deg C Case	(A)	1.07
TEC Voltage @ If=550 mA, 75 Deg C Case	(V)	1.78
Thermistor Resistance @ 25 Deg C	(kOhms)	9.98

980 PUMP SPECTRAL PLOT



Case temperature : 25 C
Submount temperature : 10 kohms
Laser current : 195.3 mA
RMS Centre wavelength : 974.1 nm
RMS width @ -13 dB : 0.20 nm

Software ID : 3.03.22
Test head : PACKAGE
Chip Serial No. : 76779Z-W1225
Node No. : 569
Device Serial No. : SO277444.001



Operator : XFL

10 June 2008 00:42:15