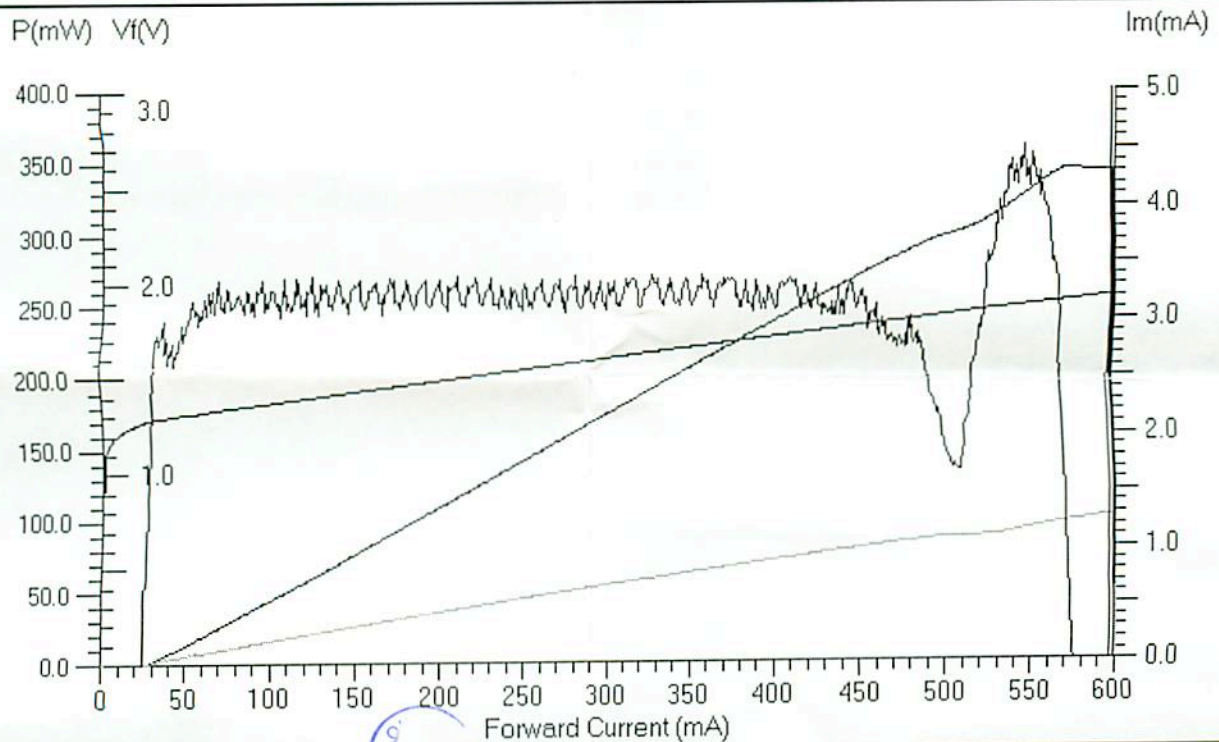


# 980 Electro Optical Characteristics



Device Ser No. : SO287745.001  
 Chip Ser No. : 76894Z-W1203  
 Date : 22 July 2008 17:49:42

Software Name : 3.03.23  
 Tester ID : SRONG  
 Node No. : 568

Case temperature 25 Deg C unless stated

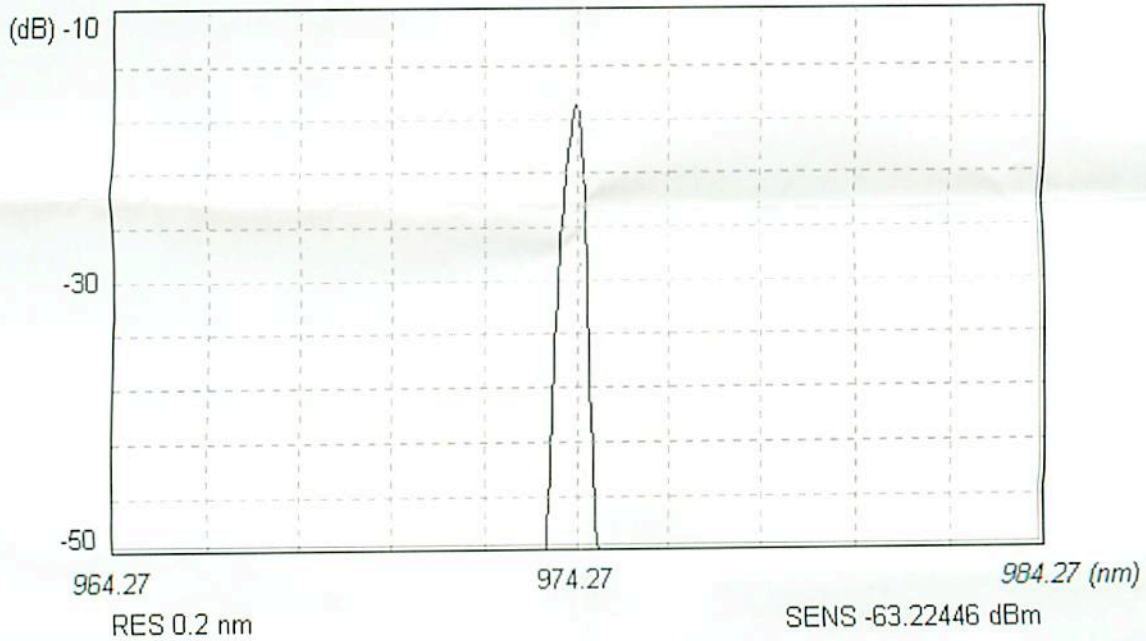
Monitor dark current	(nA)	.70
Threshold current	(mA)	27.1
Laser forward current @ 150mW facet power	(mA)	198.7
Fibre power @ 150 mW facet power	(mW)	108.4
Monitor photodiode current @ 150 mW facet Po	(mA)	.45
Monitor Photodiode Responsivity	(uA/mW)	4.12
Forward Voltage @ 150 mW facet power	(V)	1.49

Laser Current for 100 mW & 110 mW Fibre Power	(mA)	186.1	201.1
Laser Current for 120 mW & 130 mW Fibre Power	(mA)	217.1	232.1
Laser Current for 140 mW & 150 mW Fibre Power	(mA)	248.1	263.1
Laser Current for 160 mW & 170 mW Fibre Power	(mA)	279.1	295.1
Laser Current for 180 mW & 190 mW Fibre Power	(mA)	310.1	325.1
Laser Current for 200 mW & 210 mW Fibre Power	(mA)	341.1	356.1
Laser Current for 220 mW & 230 mW Fibre Power	(mA)	371.0	387.0
Laser Current for 240 mW & 250 mW Fibre Power	(mA)	403.0	418.0
Laser Current for 260 mW & 270 mW Fibre Power	(mA)	434.0	449.1
Laser Current for 280 mW & 290 mW Fibre Power	(mA)	466.0	483.0
Laser Current for 300 mW Fibre Power	(mA)	505.0	

Linear Power & Current (-20 - 75 Deg C)	(mW)	(mA)	279.3	493.0
Rated Power & Current (450 mA limit)	(mW)	(mA)	269.7	450.0
Rated Power & Current (500 mA limit)	(mW)	(mA)	294.3	495.0
Rated Power & Current (550 mA limit)	(mW)	(mA)	294.3	495.0
Rated Power & Current (600 mA limit)	(mW)	(mA)	294.3	495.0
Rated monitor current (400 mA limit)		(mA)		.89

TEC Current @ If=550 mA, 75 Deg C Case	(A)	1.02
TEC Voltage @ If=550 mA, 75 Deg C Case	(V)	1.67
Thermistor Resistance @ 25 Deg C	(kOhms)	9.82

# 980 PUMP SPECTRAL PLOT



**Case temperature** : 25 C  
**Submount temperature** : 10 kohms  
**Laser current** : 198.7 mA  
**RMS Centre wavelength** : 974.2 nm  
**RMS width @ -13 dB** : 0.20 nm

**Software ID** : 3.03.23  
**Test head** : PACKAGE  
**Chip Serial No.** : 76894Z-W1203  
**Node No.** : 568  
**Device Serial No.** : SO287745.001



**Operator** : SRONG

22 July 2008 17:47:39