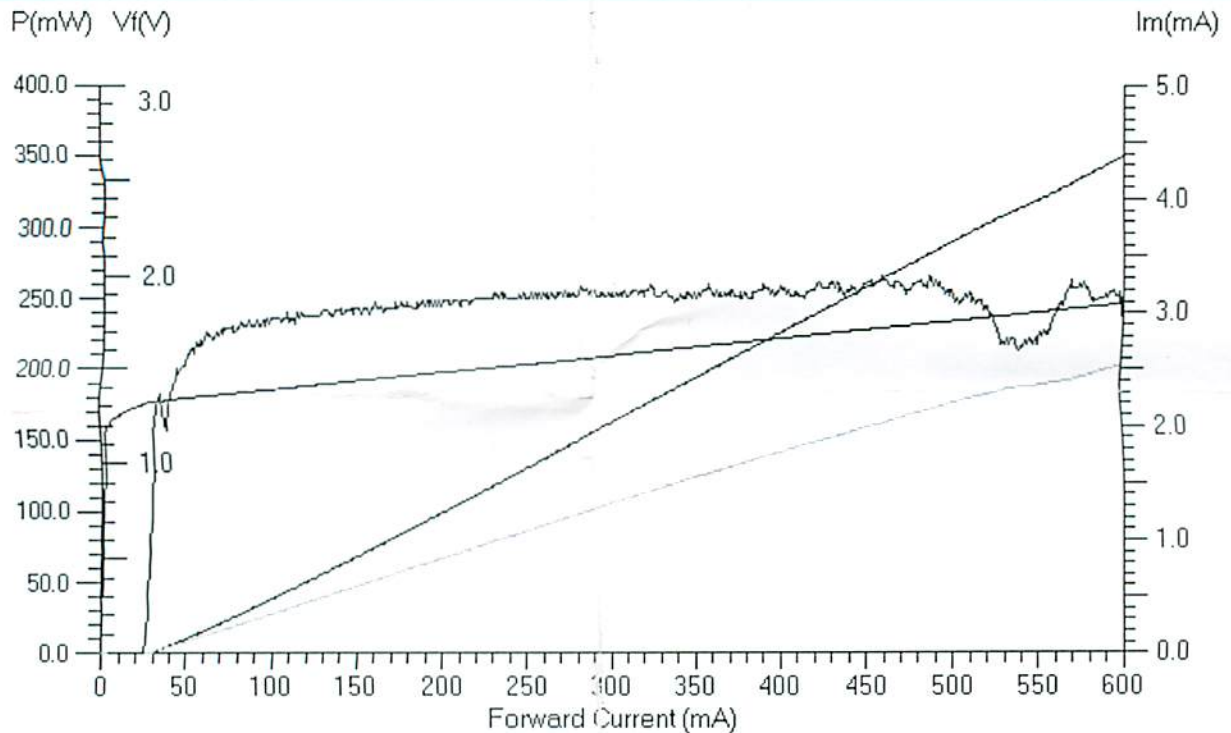


980 Electro Optical Characteristics



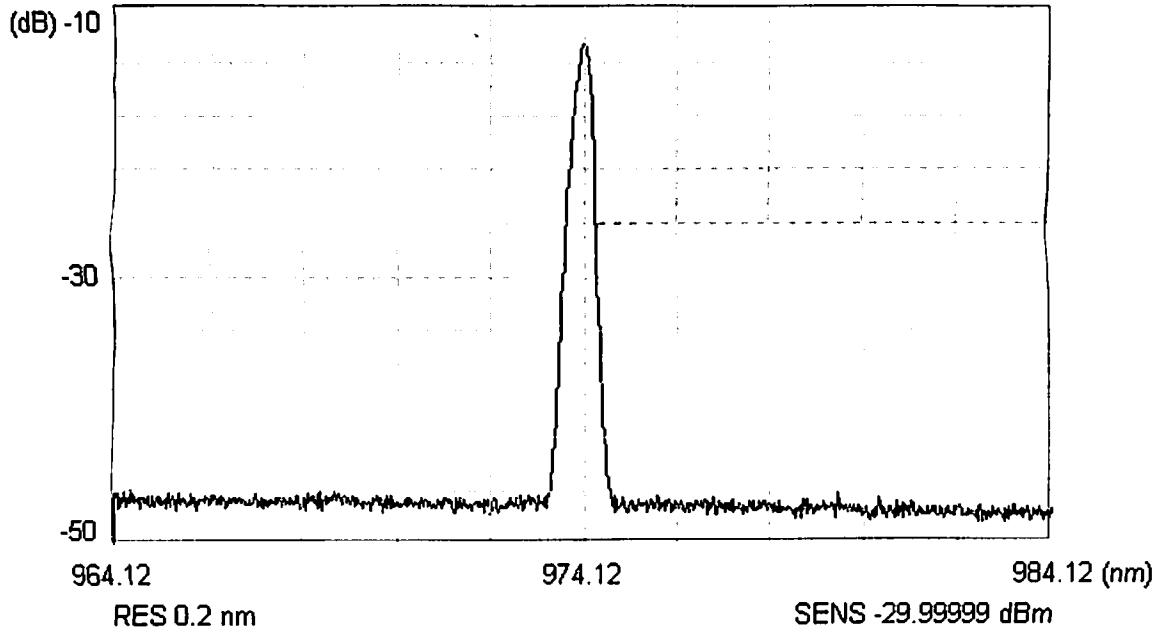
Device Ser No. : B118255.001
Chip Ser No. : 43567C-W0824
Date : 26 August 2003 17:56:37

Software Name : 3.01.15
Tester ID : YHAYES
Node No. : 353

Case temperature 25 Deg C unless stated

Monitor dark current	(nA)	.20	
Threshold current	(mA)	28.00	
Laser forward current @ 150mW facet power	(mA)	205.3	
Fibre power @ 150 mW facet power	(mW)	102.9	
Monitor photodiode current @ 150 mW facet Po	(mA)	.87	
Monitor Photodiode Responsivity	(uA/mW)	8.44	
Forward Voltage @ 150 mW facet power	(V)	1.49	
Laser Current for 150 mW Fibre Power	(mA)	281.0	
Laser Current for 160 mW & 170 mW Fibre Power	(mA)	297.0	313.0
Laser Current for 180 mW & 190 mW Fibre Power	(mA)	329.0	344.0
Laser Current for 210 mW & 230 mW Fibre Power	(mA)	376.0	407.0
Laser Current for 250 mW & 270 mW Fibre Power	(mA)	439.0	469.0
Laser Current for 290 mW & 310 mW Fibre Power	(mA)	500.0	533.0
Laser Current for 330 mW & 350 mW Fibre Power	(mA)	569.0	600.0
Linear Power & Current (-20 - 75 Deg C)	(mW) (mA)	346.4	598.0
Rated Power & Current (450 mA limit)	(mW) (mA)	257.6	450.0
Rated Power & Current (500 mA limit)	(mW) (mA)	290.1	500.0
Rated Power & Current (550 mA limit)	(mW) (mA)	319.3	550.0
Rated Power & Current (600 mA limit)	(mW) (mA)	346.4	598.0
Rated monitor current (400 mA limit)	(mA)	1.67	
TEC Current @ If=550 mA, 75 Deg C Case	(A)	1.10	
TEC Voltage @ If=550 mA, 75 Deg C Case	(V)	1.88	
Thermistor Resistance @ 25 Deg C	(kOhms)	10.00	
Max Total Power Consumption (EOL)	(W)	2.94	
Monitor Current (400 mA rating) 25 Deg C	(mA)	1.77	
Fibre Power (400 mA rating) 25 Deg C	(mW)	225.6	
Fibre Power (400 mA rating) -20 Deg C	(mW)	225.9	
Fibre Power (400 mA rating) 75 Deg C	(mW)	223.6	

980 PUMP SPECTRAL PLOT



Case temperature : 25 C
Submount temperature : 10 kohms
Laser current : 205.3 mA
RMS Centre wavelength : 974.1 nm
RMS width @ -13 dB : 0.20 nm

Software ID : 3.01.15
Test head : PACKAGE
Chip Serial No. : 43567C-W0824
Node No. : 353
Device Serial No. : B118255.001

Operator : YHAYES

26 August 2003 16:45:11