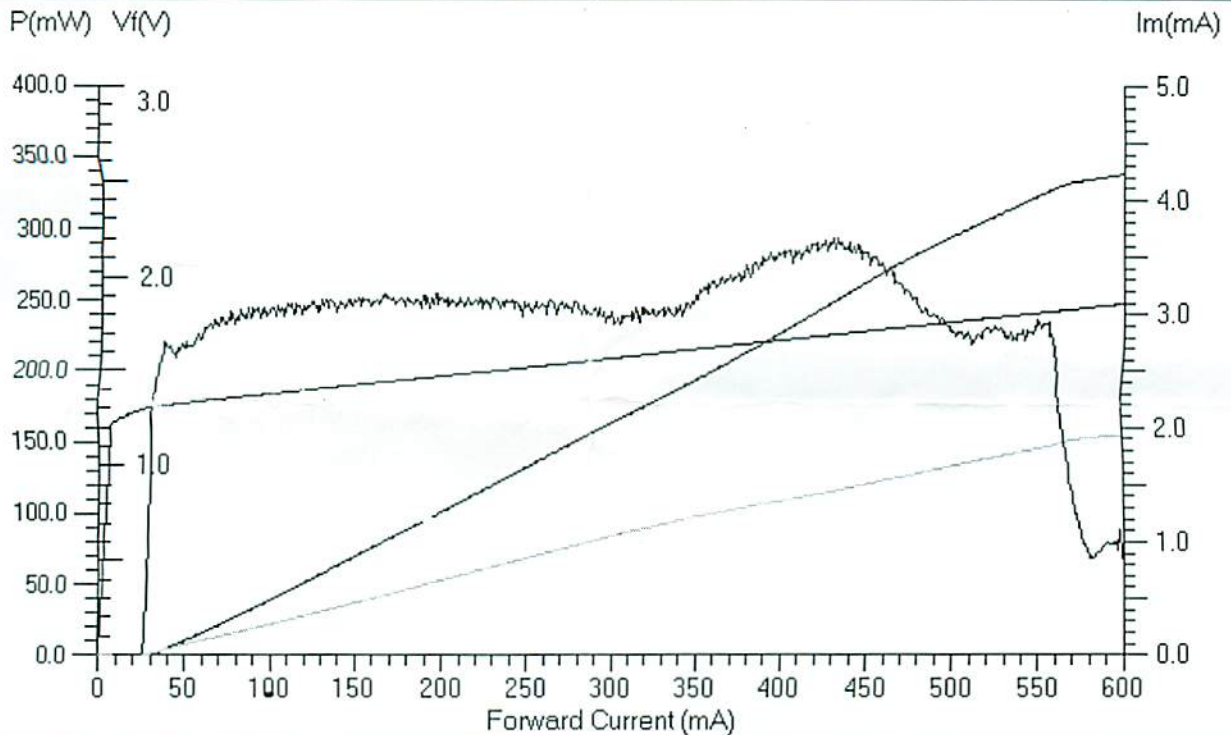


980 Electro Optical Characteristics



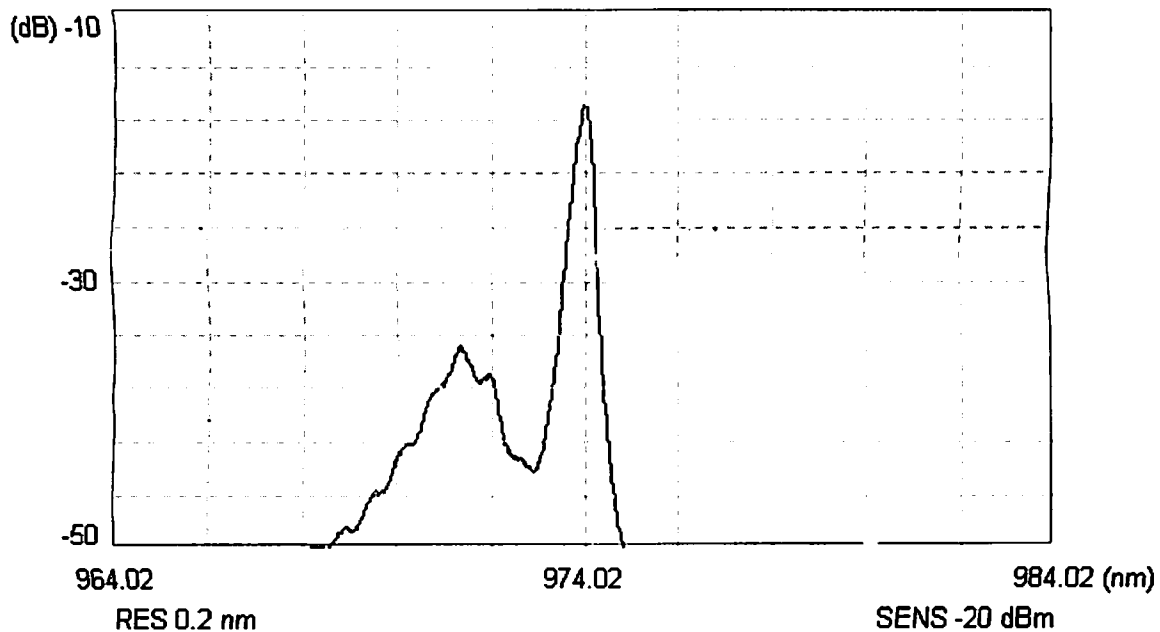
Device Ser No. : B111058.001
Chip Ser No. : 15468C-W0219
Date : 30 March 2003 10:34:09

Software Name : 3.01.11
Tester ID : TELLIS
Node No. : 570
Device type : NT8W3576

Case temperature 25 Deg C unless stated

| | | | |
|---|-----------|-------|-------|
| Monitor dark current | (nA) | .70 | |
| Threshold current | (mA) | 34.97 | |
| Laser forward current @ 150mW facet power | (mA) | 196.3 | |
| Fibre power @ 150 mW facet power | (mW) | 99.6 | |
| Monitor photodiode current @ 150 mW facet Po | (mA) | .63 | |
| Monitor Photodiode Responsivity | (uA/mW) | 6.32 | |
| Forward Voltage @ 150 mW facet power | (V) | 1.47 | |
| Laser Current for 150 mW Fibre Power (mA) | | 278.0 | |
| Laser Current for 160 mW & 170 mW Fibre Power | (mA) | 286.0 | 301.0 |
| Laser Current for 180 mW & 190 mW Fibre Power | (mA) | 316.0 | 332.0 |
| Laser Current for 210 mW & 230 mW Fibre Power | (mA) | 365.0 | 398.0 |
| Laser Current for 250 mW & 270 mW Fibre Power | (mA) | 430.0 | 458.9 |
| Laser Current for 290 mW & 310 mW Fibre Power | (mA) | 487.0 | 516.0 |
| Laser Current for 330 mW & 350 mW Fibre Power | (mA) | 544.0 | 574.0 |
| Linear Power & Current (-20 - 75 Deg C) | (mW) (mA) | 314.5 | 565.0 |
| Rated Power & Current (450 mA limit) | (mW) (mA) | 260.7 | 450.0 |
| Rated Power & Current (500 mA limit) | (mW) (mA) | 295.4 | 500.0 |
| Rated Power & Current (550 mA limit) | (mW) (mA) | 328.6 | 550.0 |
| Rated Power & Current (600 mA limit) | (mW) (mA) | 359.0 | 598.0 |
| Rated monitor current (400 mA limit) | (mA) | .71 | |
| TEC Current @ If=550 mA, 75 Deg C Case | (A) | 1.07 | |
| TEC Voltage @ If=550 mA, 75 Deg C Case | (V) | 2.16 | |
| Thermistor Resistance @ 25 Deg C | (kOhms) | 9.92 | |
| Monitor Current (400 mA rating) 25 Deg C | (mA) | .77 | |
| Fibre Power (400 mA rating) 25 Deg C | (mW) | 231.6 | |
| Fibre Power (400 mA rating) -20 Deg C | (mW) | 231.0 | |
| Fibre Power (400 mA rating) 75 Deg C | (mW) | 228.9 | |

980 PUMP SPECTRAL PLOT



Case temperature : 25 C
Submount temperature : 10 kohms
Laser current : 196.3 mA
RMS Centre wavelength : 974.0 nm
RMS width @ -13 dB : 0.20 nm

Software ID : 3.01.11
Test head : PACKAGE
Device Type : NT8W3576
Device Serial No. : B111058.001
Chip Serial No. : 15468C-W0219
Node No. : 570

Operator : TELLIS

30 March 2003 10:13:54