

PERFORMANCE TEST RESULTS

LASERTRON

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Serial No: **8090791** LASERTRON
Part No: **715102856 QLM715-5436** CHANNEL 36 (1554.134 nm)
Date: 2-Oct-98 SD03996.00

SUMMARY CHARACTERISTICS @ 29C

Rated CW output power, P_o (mW): 6.00
Threshold current, I_{th} (mA): 20.1
Modulation Current for rated power, I_m (mA): 65.2
Laser current at rated power, (mA): 85.3
Monitor photo current at rated power, (μ A): 606
Monitor dark current @ -5V (μ A): 0.000
Series Resistance at rated power, (Ohms): 6.7

Spectral Characteristics:

Power (mW)	Freq (MHz)	Wavelength (nm) Peak	Wavelength (nm) Mean	Width (nm) FWHM	Width (nm) RMS
6.00	CW	1554	1554	.1	.0

ELECTRICAL CHARACTERISTICS AT RATED POWER

Tuned laser temperature (C): 29
Thermistor resistance (kOhms): 8.592
Threshold current (mA): 20.1
Power at threshold (μ W): 1
Voltage at rated power (V): 1.39

COOLER CHARACTERISTICS @ I_{th} + 50mA with Laser @ 29C and Case @ 65C

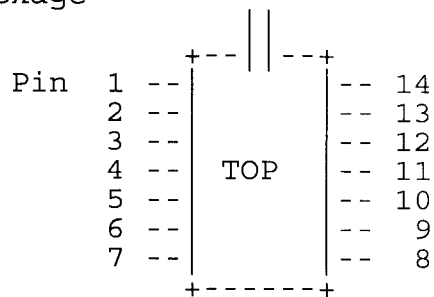
Cooler voltage (V): 1.140
Cooler current (A): .551

FIBER: Single-Mode Fiber

CONNECTOR: FC/PC, Single-Mode

PINOUT CONNECTIONS: 14-Pin ISO DFB Package

Pin	Connection
1	Thermistor
2	Thermistor
3	Laser Cathode, DC Bias (-)
4	Monitor Anode (-)
5	Monitor Cathode (+)
6	Cooler (+)
7	Cooler (-)
8	Case Ground, Laser Anode
9	Case Ground, Laser Anode
10	Case Ground, Laser Anode
11	Case Ground, Laser Anode
12	Laser Cathode, RF Modulation
13	Case Ground, Laser Anode
14	Case Ground, Laser Anode



Note: Optical Power calibrated to Electrically Calibrated Pyroelectric Radiometer, traceable to NIST.

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