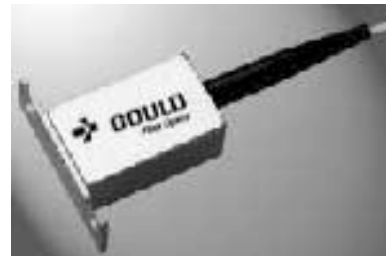


FEATURES

- High reliability laser chip
- Operating Wavelength 1310/1550nm
- Cooled 14pin DIP package
- Singlemode FC/PC connector
- Data signal. Input impedance 25



APPLICATIONS

- Telecom Access, junction and trunk application
- Optic instruments and repeater for mobile communications

SPECIFICATIONS (T=25°C)

	Min	Typ	Max
Related output power, P (mW)	0.1		2
Wavelength (nm)	1280		1330
	1520		1580
Spectral width (nm, RMS)	3		5
Threshold Current (mA)		20	30
Modulation current (mA)	10		40
Forward Voltage at rated power (V)	1.3		1.6
Optical rise/fall time (ns)		0.3	0.5
Analog bandwidth (MHz, -3dB response)		800	
Tracking error (dB, 0 - 65°C)		±0.5	
Monitor current at rated power (mA/mW)	50		80
Series resistance (Ω)		10±0.5	
Thermoelectric power (V)		<1.2	
Thermoelectric Cooler current (mA)		800	
Thermoelectric Cooler voltage (V)		<1.5	

ABSOLUTE MAXIMUM RATINGS

Laser element (T=25°C)

Forward current (mA)	100
Reverse current (mA)	2
Reverse voltage (V)	2

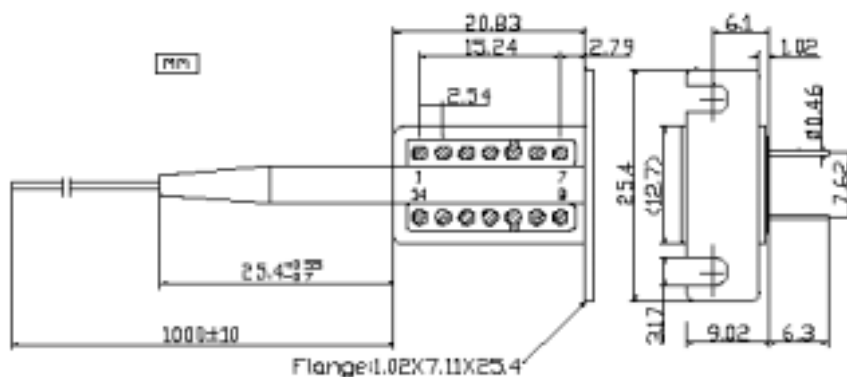
Monitor Detector (T=25°C)

Reverse voltage (V)	-15
Reverse photocurrent (mA)	1
Forward current (mA)	2

Thermoelectric cooler	
Voltage (V)	2
Current (A)	1.5
Package	
Operating temperature (C)	-40 to +70
Storage temperature (C)	-40 to +85
Lead soldering temperature (C)	260
Lead	10
Fiber yield strength (kgf)	1
Fiber bend radius (mm)	30

MECHANICAL PACKAGING DIAGRAM (mm)

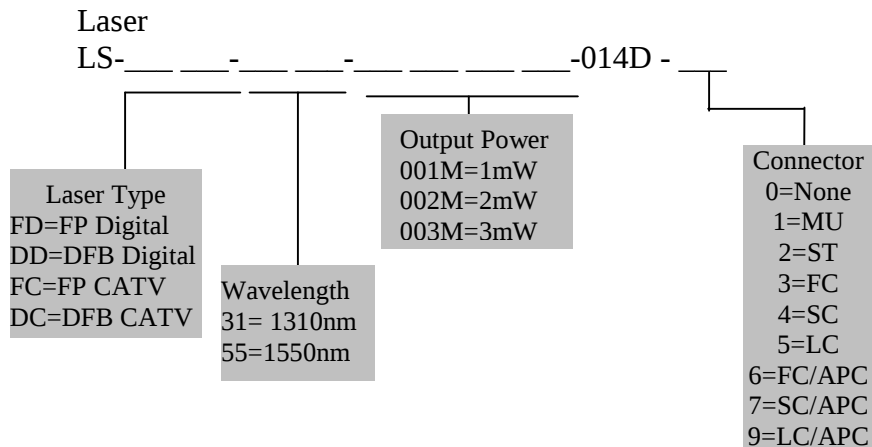
(All dimensions are in mm; drawings are not to scale)



PIN CONNECTIONS

1	Cooler (+)	10	LD (P) Case ground
5	Case Ground	11	Thermistor
7	Detector (N)	12	Thermistor
8	Detector (P)	14	Cooler (-)
9	LD (N)	*	Others are not connected

ORDERING INFORMATION



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