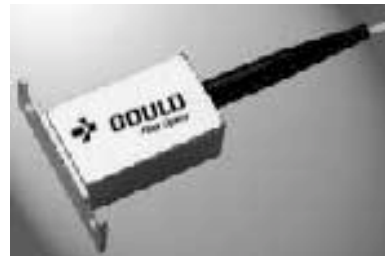


FEATURES

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



APPLICATIONS

- Telecom Access, junction and trunk application

SPECIFICATIONS (T=25°C)

	Min	Typ	Max
Related output power, P (mW)	0.1		2
Wavelength (nm)	1290		1330
Wavelength (nm, 0-65°C)	1275		1350
Spectral width (nm, RMS)			3
Spectral shift (nm/°C)			0.5
Threshold Current (mA)		20	
Threshold Current at 65°C (mA)			40
Modulation current (mA)	10		40
Slope efficiency change (+dB, 25-0°C)		1	
Slope efficiency change (-dB, 25-65°C)		2.5	
Forward Voltage at rated power (V)		1.5	
Optical rise/fall time (ns)		0.5	
Analog bandwidth (MHz, -3dB response)		800	
Tracking error (dB, 0 - 65°C)		1	
Monitor current at rated power (mA/mW)	50		80
Monitor dark current (nA/-10V)		0.25	
Series resistance (Ω)		10±0.5	

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)

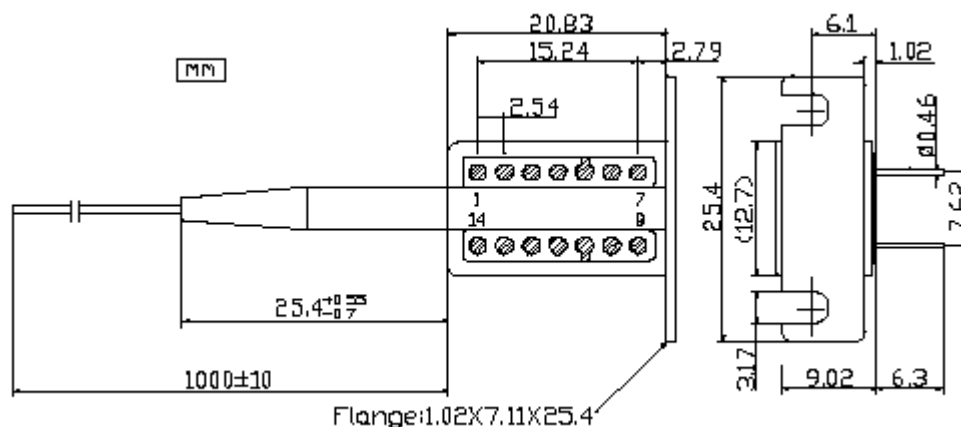
Reverse voltage (V)	-15
Reverse photocurrent (mA)	1
Forward current (mA)	2



This is the New Power of Gould!

Package	
Operating temperature (C)	0 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

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



5	Case Ground	9	LD (N)
7	Detector (N)	10	LD (P) Case ground
8	Detector (P)	*	Others are not connected

Laser

```
graph TD
    Root[14D002M01LS] --- LS[LS]
    Root --- OP[002M]
    Root --- PT[01]
    Root --- C[14D]
    LS --- LT[Laser Type  
FD=FP Digital  
DD=DFB Digital  
FC=FP CATV  
DC=DFB CATV]
    OP --- OP_Box[Output Power  
001M=1mW  
002M=2mW  
003M=3mW]
    PT --- PT_Box[Package type  
14B=14pin Butterfly  
14D= 14pin DIP]
    C --- C_Box[Connector  
0=None  
1=MU  
2=ST  
3=FC  
4=SC  
5=LC  
6=FC/APC  
7=SC/APC  
9=LC/APC]
```

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