

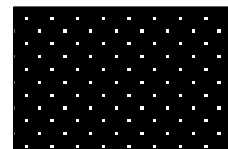
Specifications

for Surface Mount Type LD Module

with Single Mode Fiber

1300nm, 2.0mW

OL3300W-2



Receipt

Issued on Nov. 24, 2000

Drawing Number : JOG-00791

1st Edition

OL3300W-2

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OL3300W-2 LD Module

1.DESCRPTION

The OL3300W-2 surface mount type LD module is a 1.3μm, InGaAsP/InP laser diode coupled to a single mode fiber with a pigtail.

2.ABSOLUTE MAXIMUM RATINGS

(Ta=25°C, unless otherwise specified)

Parameter	Ratings	Unit
Fiber Output Power	7	mW
LD Reverse Voltage	2	V
PD Forward Current	10	mA
PD Forward Voltage	15	V
Operating Temperature (Ta)	-40 to 85	°C
Storage Temperature	-40 to 85	°C
Lead Soldering Temperature (10s)	260	°C

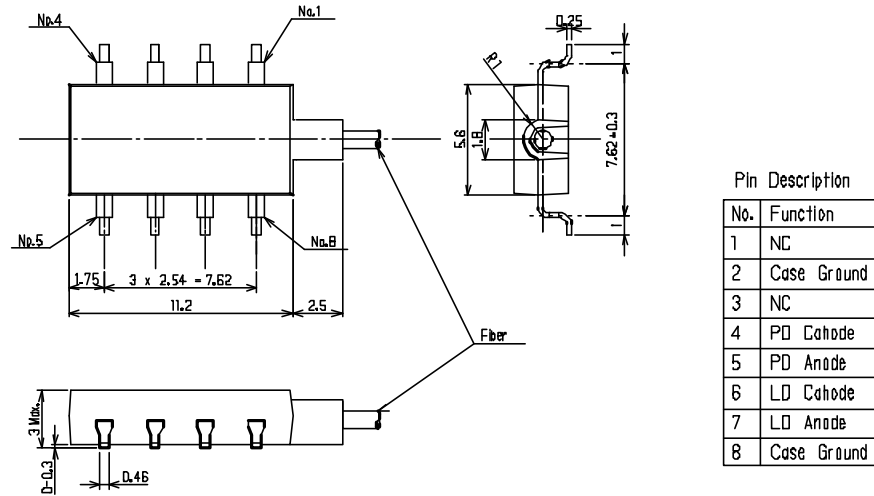
3.CHARACTERISTICS

(Ta=0 to 85°C unless otherwise specified)

Parameter	Conditions	Min	Typ	Max	Unit
Fiber Output Power	CW	2			mW
Threshold Current	—			40	mA
Center Wavelength	Pf=2mW,RMS	1263		1360	nm
Spectral Width	Pf=2mW, RMS(σ)			4	nm
LD Forward Voltage	Pf=2mW			1.5	V
Rise and Fall Time	10 to 90%			0.5	ns
Monitor Current	Pf=2mW(RT)	60		350	μA
Tracking Error	Im=const. @Pf=2mW(25°C)			1.0	dB

4. OUTLINE DRAWING

Unit: mm



5. CONNECTOR AND FIBER SPECIFICATIONS

Connector	SC-Connector
Fiber	1.31μm Single Mode Fiber Code Diameter :0.9mm Color :Yellow Bending Radius :20mm(min) Heat-resistant Length :1000±50mm

6.RELIABILITY

Test	Reference	Conditions	Failure /Sample
Mechanical Shock	MIL-STD-883 Method 2002	1500G,0.5ms 5times/axis	0/11
Vibration	MIL-STD-883 Method 2007	20G,20-2000Hz 4min/cy, 4cy/axis	0/11
Accel. Aging (High Temp.)	GR-468-CORE, R4-45 Section5.18	85°C, APC, Pf=2mW, 5000hrs (10000hrs for info)	0/25
Temperature Cycling	MIL-STD-883 Method 1010	-40°C to 85°C, 500cycles (1000 for info)	0/11
Damp Heat	MIL-STD-202 Method 103	85°C, 85%RH, 2000hrs	0/11

