Single Mode 1310-1550nm Dual LD Single Fiber Module

Single Mode 1310-1550nm Dual LD Single Fiber Module

Laser Diode (T= 25°C)

Parameter		Symbol	Test Conditions	Min	Typical	Max	Units
Data Rate				1M		1.25G	b/s
Center Wavelength		λ	P_0, 25ºC	1290	1310	1330	nm
				1520	1550	1580	
			P_0 -40 to 85ºC	1260	1310	1360	
				1491	1550	1606	
Spectral Width	1310nm	Δλ	P_0, (RMS, -20dB)	-	1	2	nm
	1550nm			-	1.5	3	
Threshold Current	1310nm	I_{th}	P_0, 25ºC	-	5	15	mA
	1550nm			-	10	20	
Operating Voltage		V_{op}	P_0	-	1.1	1.5	V
Rise/fall Time		t_r / t_f	10-90%	-	0.3	0.7	ns
Optical Output Power	1310nm	P_0	Iop=40mA				
	1550nm		Iop=50mA				
-1				0.1	-	0.4	mW
-2				0.4	-	0.7	mW
-3				0.7	-	1.2	mW
Monitor Current (PD)		I_m	P_0 ,V_{RD} =1V	0.1	0.5	1.0	mA
Dark Current (PD)		I_d	V_{RD}=10V	-	-	0.1	uA
Output Power Stability			P_0, 6 min	-	-	±0.1	dB
Tracking Error		E_t	-40 to 85ºC	-	-	±1.0	dB

Absolute Maximum Ratings (T=25ºC)

Parameter	Symbol	Min.	Max.	Unit
Forward Current (LD)	I_{op}	-	85	mA
Reverse Voltage (LD)	V_{RL}	-	2	V
Operating Temperature	T_O	-40	85	ºC
Storage Temperature	T_{stg}	-40	125	ºC
Lead Soldering Temperature (10 sec)	T_L	-	260	ºC

Single Mode 1310-1550nm Dual LD Single Fiber Module

Ordering Information

Grade
1 for 0.1~0.4mW
2 for 0.4~0.7mW
3 for 0.7~1.2mW

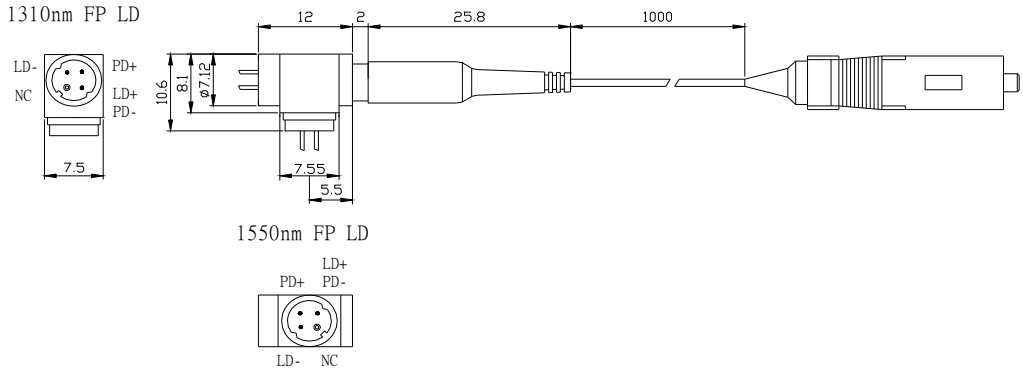
Connector type
SC, FC, ST

SNS-T1 3 T 1 5 – S L □ - □ □ □ - SA

P for pigtail
R for receptacle

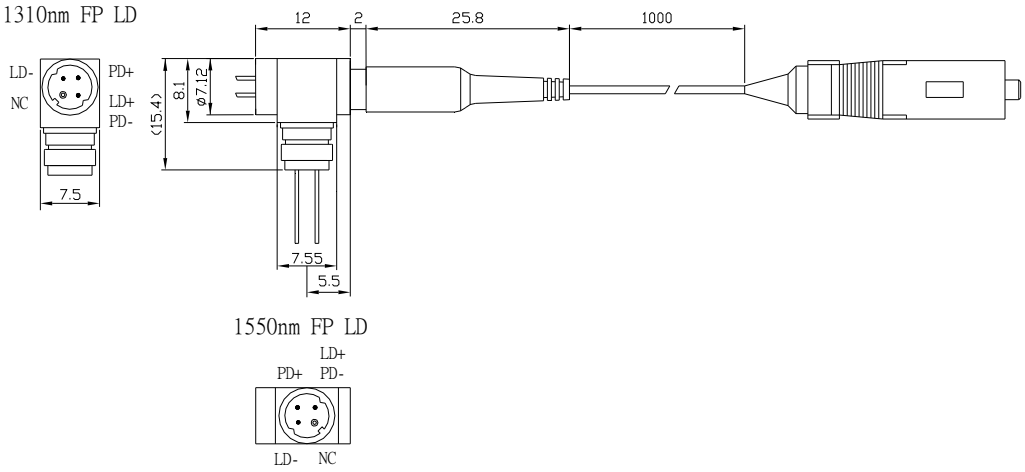
Pigtailed：

For power grade 1 and 2

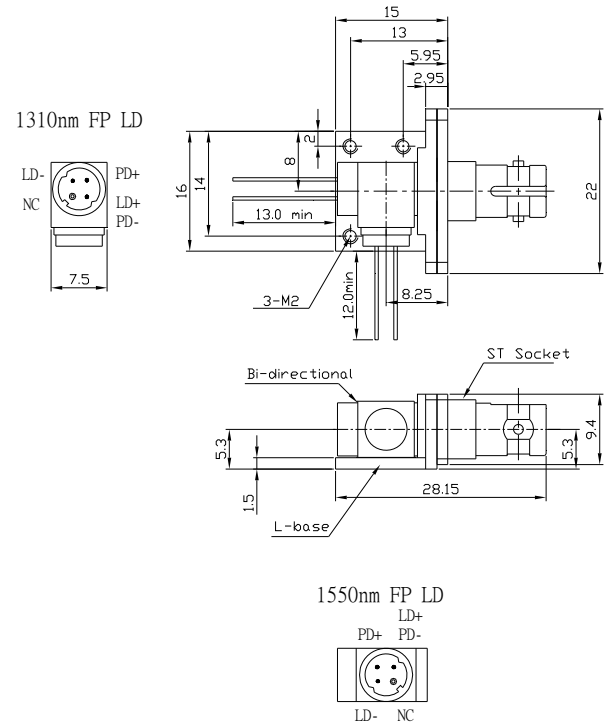


For power grade 3

Single Mode 1310-1550nm Dual LD Single Fiber Module

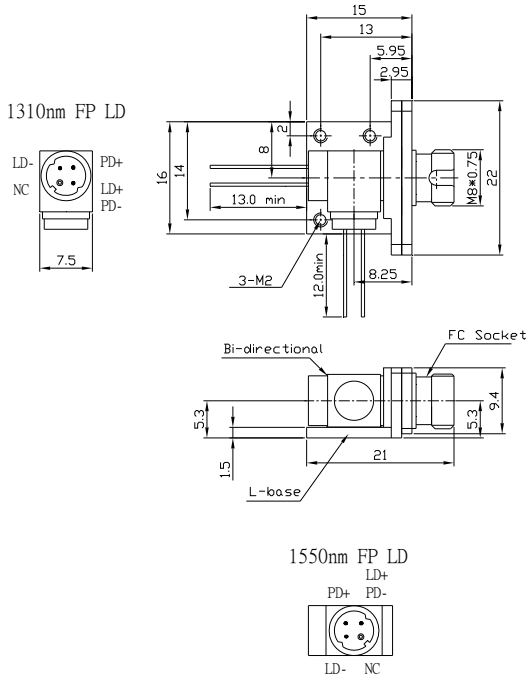
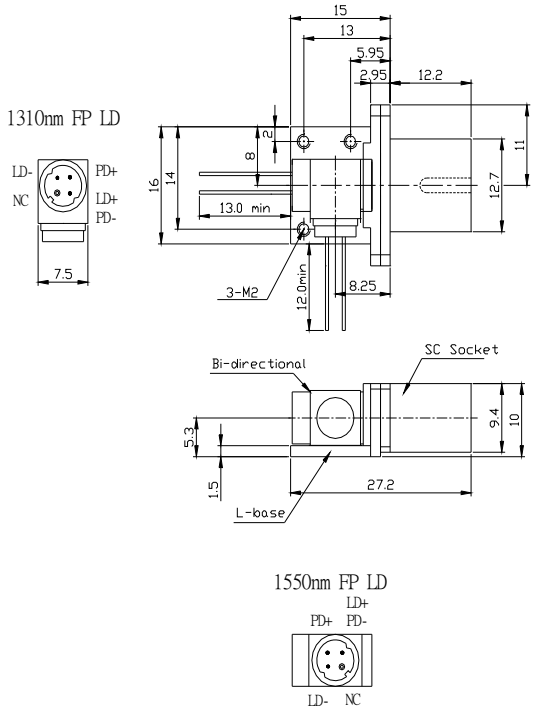


ST Receptacle



FC Receptacle

Single Mode 1310-1550nm Dual LD Single Fiber Module



SC Receptacle