

Multimode 850/1300nm LED Bi-directional Single Fiber Module with PD



Multimode Single Fiber bi-Directional Optical Module

LED (T= 25°C)

Parameter	Symbol	Test Conditions	Min	Typical	Max	Units
Center Wavelength	λ	P_0 -40 to 85°C	1260 820	1300 850	1350 880	nm
Spectral Width	$\Delta\lambda$	P_0 , (RMS, -20dB)	- -	140 50	200 -	nm
Operating Voltage	V_{op}	P_0	- -	1.3 1.8	- 2.2	V
Rise/fall Time	t_r / t_f	10-90%	- -	- -	3 7	ns
Optical Output Power	P_0	100 mA				
1300nm	50/125um fiber		11		-	uW
	62.5/125um fiber		22		-	uW
850nm	50/125um fiber		15		-	uW
	62.5/125um fiber		30		-	uW

PIN Photodiode (T=25°C)

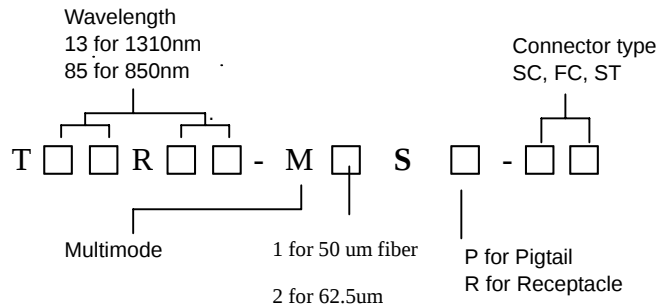
Parameter	Symbol	Test Conditions	Min.	Typical	Max.	Unit
Responsivity(50/125um)	R	1310nm 850nm	0.6 0.3			A/W
Dark Current	I_d				1	nA
Capacitance	C_t			0.7	0.8	pF

Absolute Maximum Ratings (T=25°C)

Parameter	Symbol	Min.	Max.	Unit
Forward Current	I_{op}	-	120 120	mA
Reverse Voltage	V_{RL}	-	2 2	V
Operating Temperature	T_O	-40	70	°C
Storage Temperature	T_{stg}	-40	85	°C
Lead Soldering Temperature (10 sec)	T_L	-	260	°C

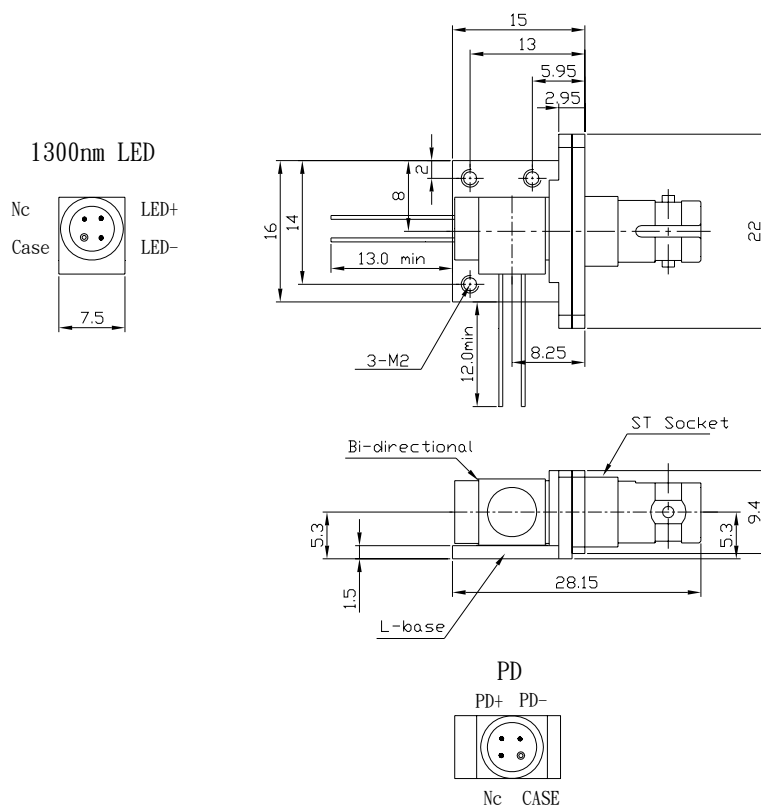
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Ordering Information:



Outline Dimension :

Receptacle (ST) :



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