

Stable 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	1310nm	λ	P_0 -40 to 85°C	1260	1310	1360	nm
	1550nm			1491	1550	1606	
Spectral Width	1310nm	$\Delta\lambda$	P_0 , (RMS, -20dB)	-	1	2	nm
	1550nm			-	1	3	
Threshold Current	1310nm	I_{th}	P_0 , 25°C	-	5	15	mA
	1550nm			-	10	15	
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	$I_{op}=30mA$	0.5	-	1	mW
	1550nm		$I_{op}=50mA$	0.5	-	1	
Output Power Stability		S	I_{op}	-	-	0.1	dB
Monitor Current (PD)		I_m	$P_0, V_{RD}=1V$	0.1	0.5	-	mA
Dark Current (PD)		I_d	$V_{RD}=10V$	-	-	0.1	uA
Tracking Error		E_t	-40 to 85°C	-	± 1.0	-	dB

Absolute Maximum Ratings (T=25°C)

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	°C
Storage Temperature	T_{sta}	-40	125	°C
Lead Soldering Temperature (10 sec)	T_L	-	260	°C

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Ordering Information

SNS-T 13 T 15 - S L 3 - R S C - S A

Receptacle (SC) :

