Multi-Mode 1310-850nm 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 85ºC	1260	1310	1360	nm
	850nm			830	850	860	
Spectral Width	1310nm	$\Delta\lambda$	P_0, (RMS, -20dB)	-	1	2	nm
	850nm			-	-	0.85	
Threshold Current	1310nm	I_{th}	P_0, 25ºC	-	5	15	mA
	850nm			-	3	6	
Operating Voltage	1310nm	V_{op}	P_0	-	1.1	1.5	V
	850nm				1.9	2.2	
Rise/fall Time		t_r / t_f	10-90%	-	0.3	0.7	ns
Optical Output Power	1310nm	P_0	50/125um fiber, Iop=30mA	1	-	-	mW
	850nm		50/125um fiber Iop=20mA	1	-	-	mW
Monitor Current (PD)	1310nm	I_m	P_0 ,V_{RD} =1V	0.1	0.5	-	mA
	850nm			0.03	0.1	-	mA
Dark Current (PD)		I_d	V_{RD}=10V	-	-	0.1	uA
Tracking Error		E_t	-40 to 85ºC	-	±1.0	-	dB

Absolute Maximum Ratings (T=25ºC)

Parameter		Symbol	Min.	Max.	Unit
Forward Current (LD)	1310nm	I_{op}	-	85	mA
	850nm		-	30	mA
Reverse Voltage (LD)	1310nm	V_{RL}	-	10	V
	850nm		-	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

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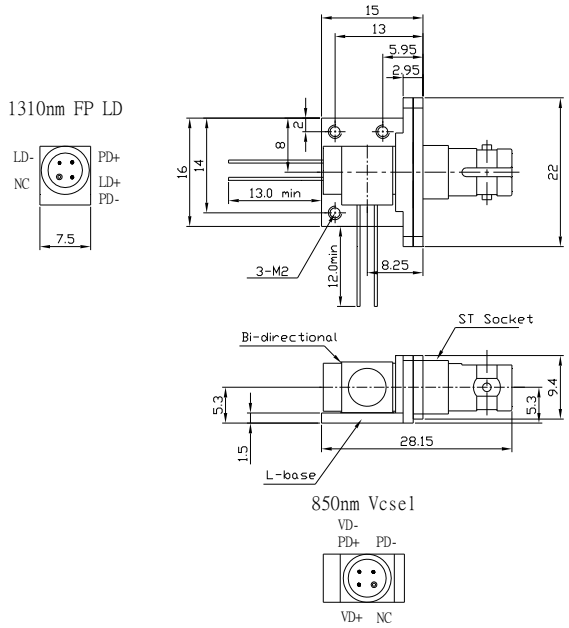
Ordering Information

SNS-L 1 3 V 8 5 – M 1 3 - R S T - C

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