

Recommended Operating Conditions

Parameter	Symbol	Min	Typ	Max	Units	Notes
Data Rate	DR	0.1552		3.2	Gbps	
Run Length	RL			80	Bits	
Ceramic (substrate) Temperature	Ta	0		85	°C	
3.3 Volt Supply	Vcc-Vee	3.15		3.45	V	
3.3 Volt Supply Current	Icc		200	260	mA	

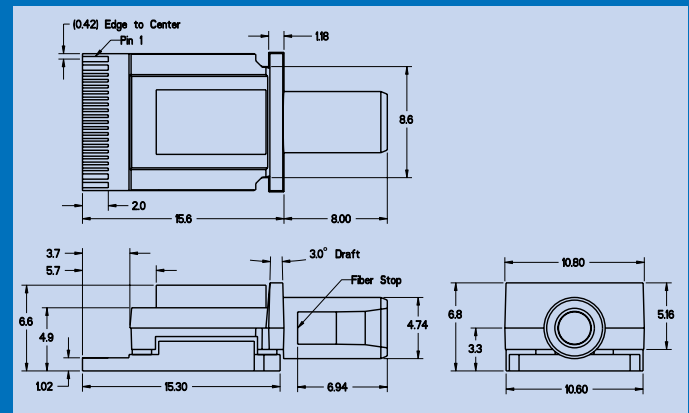
Parameter	Min	Typ	Max	Units
Wavelength Range	1269.0		1355.9	nm
Output Rise/Fall Times		70		ps
Output Impedance, Differential		100		Ω
Receive Differential Output Voltage				
-02TL	500	600	660	mVp-p
-02T/Tr	220	280	400	mVp-p
OMA Sensitivity (single-mode fiber)	-14.45	-17		dBm
OMA Sensitivity (multi-mode fiber)	-14.25	-17		dBm

	TIA	Limiting Amp	RSSI	Signal Detect
LX4T	●			
LX4TL	●	●	●	●
LXTR	●		●	

Pin Out

Pin	Signal	Description	Width (mm)	Center Position (mm)
1	VCC2	Limiting Amplifier and Output Driver Power Supply.	0.406	0.0
2	GND	Ground	0.406	0.660
3	SQUELCH	Leave unconnected or connect to 3.3V to activate squelch. Connect to GND to disable squelch.	0.203	1.219
4	OUT_0_N	Negative Data Output (1275nm)	0.203	1.676
5	OUT_0_P	Positive Data Output (1275nm)	0.203	2.134
6	IMON_0	L0 Current monitor. Connect 1kΩ Resistor to VCC1 to monitor current.	0.203	2.591
7	SD_0	Signal Detect for Lane 0	0.203	3.048
8	OUT_1_N	Negative Data Output (1300nm)	0.203	3.505
9	OUT_1_P	Positive Data Output (1300nm)	0.203	3.962
10	IMON_1	L1 Current monitor. Connect 1kΩ Resistor to VCC1 to monitor current	0.203	4.420
11	SD_1	Signal Detect for Lane 1	0.203	4.877
12	OUT_2_N	Negative Data Output (1325nm)	0.203	5.334
13	OUT_2_P	Positive Data Output (1325nm)	0.203	5.791
14	IMON_2	L2 Current monitor. Connect 1kΩ Resistor to VCC1 to monitor current.	0.203	6.248
15	SD_2	Signal Detect for Lane 2	0.203	6.706
16	OUT_3_N	Negative Data Output (1350nm)	0.203	7.163
17	OUT_3_P	Positive Data Output (1350nm)	0.203	7.620
18	IMON_3	L3 Current monitor. Connect 1kΩ Resistor to VCC1 to monitor current.	0.203	8.077
19	SD_3	Signal Detect for Lane 3	0.203	8.534
20	GND	Ground	0.406	9.093
21	VCC1	Transimpedance Amplifier Power Supply.	0.406	9.754

Mechanical Dimensions



Building A Part Number

