

PRE-CSFP2-B34(43)-40(I)

CSFP, Dual BIDI, 1310nm/1490nm, 1G, 40km, SMF/LC



Product Features:

- DFB Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostic Monitoring (DDM)
- C-Temp and I-Temp Available
- 1.25Gbps Maximum Data Rate



Product Applications:

- 1000BASE-EX Ethernet
- FTTH Networks
- Enterprise Networks

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Supply Current	-	-	450	mA
Power Supply Voltage	3.13	3.3	3.47	V
Operating Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	40	km
Data Rate (Total)	-	-	1.25	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1260	1310	1360	nm
	1480	1490	1500	
Transmit Power	-5	-	0	dBm
Spectral Width	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	9	-	-	dB
Relative Intensity Noise	90	100	110	Ohm
Transmitter OFF Output Power	-	-	-45	dBm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1480	1490	1500	nm
	1260	1310	1360	
Damage Threshold	3	-	-	dBm
Input Saturation Power	-0.5	-	-	dBm
Receiver Sensitivity	-	-	-21	dBm
LOS Assert	-35	-	-	dBm
LOS De-Assert	-	-	-24	dBm
LOS Hysteresis	0.5	2	6	dB

Product Ordering Information

Part Number	Description
PRE-CSFP2-B34-40	CSFP2, Option 2, 1310nm Tx/1490nm Rx, 1G, 40km, SMF/LC, C-Temp, DDM
PRE-CSFP2-B34-40I	CSFP2, Option 2, 1310nm Tx/1490nm Rx, 1G, 40km, SMF/LC, I-Temp, DDM
PRE-CSFP2-B43-40	CSFP2, Option 2, 1490nm Tx/1310nm Rx, 1G, 40km, SMF/LC, C-Temp, DDM
PRE-CSFP2-B43-40I	CSFP2, Option 2, 1490nm Tx/1310nm Rx, 1G, 40km, SMF/LC, I-Temp, DDM