

# PRE-CSFP2-B35(53)-20I

CSFP, Dual BIDI, 1310nm/1550nm, 1G, 20km, SMF/LC



## Product Features:

- DFB Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC/UPC Connector
- C-Temp and I-Temp Available
- 1.25Gbps Maximum Data Rate



## Product Applications:

- Gigabit Ethernet

## Standards:

- SFF-8472
- RoHS

## General Specifications:

Parameter	Symbol	Min	Typical	Unit
Case Operating Temperature (Commercial)	0	-	70	C°
Case Operating Temperature (Industrial)	-40	-	85	C°
Power Consumption	1.5	-	1.7	W
Power Supply Current	450	-	500	mA
Power Supply Voltage	3.130	3.300	3.470	V
Storage Humidity	0	-	85	%
Storage Temperature	-40	-	85	C°
Transmission Distance	-	-	20	km
Data Rate (Total)	-	-	1.25	Gbps

# PRE-CSFP2-B35(53)-20I

CSFP, Dual BIDI, 1310nm/1550nm, 1G, 20km, SMF/LC



## Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typical	Unit
Center Wavelength (PRE-CSFP2-B35-20I)	1260	1310	1360	nm
Center Wavelength (PRE-CSFP2-B53-20I)	1530	1550	1570	nm
Transmit Power	-9	-	-3	dBm
Spectral Width	1	-	3.5	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	6	-	9	dB

## Optical Characteristics: Receiver

Parameter	Symbol	Min	Typical	Unit
Center Wavelength (PRE-CSFP2-B35-20I)	1530	1550	1570	nm
Center Wavelength (PRE-CSFP2-B53-20I)	1275	1310	1350	nm
Input Saturation Power	-3	-	-	dBm
Receiver Sensitivity	-19.5	-	-22.5	dBm
LOS Assert	-40	-	-35	dBm
LOS De-Assert	-25	-	-22	dBm
LOS Hysteresis	0.5	-	-	dB

## Product Ordering Information

Part Number	Description
PRE-CSFP2-B35-20	CSFP2, Dual Bi-Di, 1310nm Tx/1550nm Rx, 1G, 20km, SMF/LC, C-Temp, DDM
PRE-CSFP2-B53-20	CSFP2, Dual Bi-Di, 1550nm Tx/1310nm Rx, 1G, 20km, SMF/LC, C-Temp, DDM
PRE-CSFP2-B35-20I	CSFP2, Dual Bi-Di, 1310nm Tx/1550nm Rx, 1G, 20km, SMF/LC, I-Temp, DDM
PRE-CSFP2-B53-20I	CSFP2, Dual Bi-Di, 1550nm Tx/1310nm Rx, 1G, 20km, SMF/LC, I-Temp, DDM

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