

TSFP10G-80(I)

SFP+, DWDM Tunable, C-Band (ITU 13.5 – 61), 10G, 80km, SMF/LC, DDM

Product Features:

- ILMZ Tunable Transmitter
- APD Receiver
- 96 Channel, 50GHz DWDM Grid
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- 11.3Gbps Maximum Data Rate
- <2.3W Power Consumption



Product Applications:

- OTN Transport
- 10GBASE-ZR
- SONET SDH

Standards:

- Compliant with SFF-8431, SFF-8432, SFF-8690, SFF-8472
- IEEE802.3ae
- RoHS 6 Compliant

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Consumption	-	-	2.3	W
Power Supply Current	-	-	730	mA
Power Supply Voltage	3.135	3.3	3.465	V
Operating Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	80	km
Data Rate (Total)	1.2	-	11.3	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Frequency Range	191.35	-	196.10	THz
Frequency Accuracy	-2.5	-	2.5	GHz
Transmit Power (BOL)	0	-	3.0	dBm
Spectral Width	-	0.3	0.5	nm
Side Mode Suppression Ratio	35	-	-	dB
Extinction Ratio	9	-	-	dB
Optical Power Stability	-1.0	-	1.0	dB
Tuning Speed	-	-	10	s

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1525	-	1575	nm
Maximum Input Power	-7	-	-	dBm
Damage Threshold	5	-	-	dBm
Minimum Receiver Sensitivity (Back to Back)	-	-	-24	dBm
Minimum Receiver Sensitivity (+1400ps/nm)	-	-	-21	dBm
Receiver Reflectance	-	-	-27	dB
LOS Assert	-	-	-27	dBm
LOS De-Assert	-	-	-25	dBm
LOS Hysteresis	0.5	-	4.0	dB

Product Ordering Information

Part Number	Description
TSFP10G-80	SFP+, DWDM Tunable, C-Band (ITU 13.5 – 61), 10G, 80km, SMF/LC, DDM, C-Temp
TSFP10G-80I	SFP+, DWDM Tunable, C-Band (ITU 13.5 – 61), 10G, 80km, SMF/LC, DDM, I-Temp