

PRE-SFP10G-MFCT-80, PRE-SFP10G-MFCT-80I
SFP+, DWDM Tunable, C-Band (ITU 13.5 – 61) SMF, 80km, 10Gbps



Product Features:

- ILMZ Tunable Transmitter
- 1528.77nm - 1566.72nm
- APD Receiver
- 96 Channel, 50GHz DWDM Grid
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- Supports Bit Rates up to 11.35Gbps
- CDR Capable



Product Applications:

- 10G Ethernet
- SONET SDH
- OTN Transport

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T _{op}	-5	-	70	°C
Case Operating Temperature (Industrial)	T _{op}	-40	-	+85	°C
Power Consumption	P _w	-	-	2.3	W
Power Supply Current	I _{cc}	-	-	730	mA
Power Supply Voltage	V _{cc}	3.14	3.3	3.47	V
Storage Humidity	H _s	5	-	95	%
Storage Temperature	T _s	-40	-	85	°C
Transmission Distance	TD	-	-	80	km
Data Rate (Total)	DR _T	1.2	-	11.35	Gbps

Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	f	191.35	50GHz Grid	196.10	THz
Frequency Accuracy	f _a	-2.5	-	2.5	GHz
Transmit Power	P _{OUT}	2	-	6	dBm
Spectral Width	σ	-	0.3	0.5	nm
Side Mode Suppression Ratio	SMSR	35	-	-	dB
Extinction Ratio	ER	9	-	-	dB
Transmitter OFF Output Power	P _{OFF}	-	-	-40	dB
Tuning Speed	T _s	-	-	10	s

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	λ _r	1525	-	1575	nm
Damage Threshold	P _D	5	-	-	dBm
Input Saturation Power	P _{SAT}	-7	-	-	dBm
Receiver Sensitivity	R	-	-	-24	dBm
LOS Assert	LOS _A	-27	-	--	dBm
LOS De-Assert	LOS _D	-	-	-25	dBm
LOS Hysteresis	LOS _H	0.5	-	4	dB

Product Ordering Information

Part Number	Part Number
PRE-SFP10G-MFCT-80	SFP+, DWDM Tunable, C-Band (ITU 13.5 – 61) SMF, 80km, 10Gbps, C-Temp
PRE-SFP10G-MFCT-80I	SFP+, DWDM Tunable, C-Band (ITU 13.5 – 61) SMF, 80km, 10Gbps, I-Temp