

# PRE-SFP10G-XGTB-N2I

SFP+, XGS-PON OLT, N2, SMF/SC



## Product Features:

- XGS-PON OLT Applications
- EML Laser Transmitter
- APD Burst Mode Receiver
- 9.953Gbps Downstream Data Rate
- 9.953/2.488Gbps Upstream Data Rate
- 1577/1270nm XGS Wavelengths
- SC/UPC Connector
- DDM/RSSI



## Product Applications:

- FTTH OLT
- XGS N2 PON

## Standards:

- ITU-T G.9807.1 Class N2
- SFF-8472
- RoHS Compliance

## General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	-40	-	85	°C
Operating Humidity	5	0	95	%
Power Consumption	-	-	2.5	W
Power Supply Voltage	0	-	3.6	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Split Ratio	-	32	64	

## XGS Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1575	1577.0	1580	nm
Signal Rate	-	9.953	-	Gbps
Average Tx Power	5	-	8	dBm
Spectral Width	-	-	1.0	nm
Pout w/Tx_dis Asserted	-	-	-39	dBm
Extinction Ratio	8.2	-	-	dB

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## XGS Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1260	1270	1280	nm
Signal Rate	2.48832	NA	9.95328	Gbps
Receiver Sensitivity <sup>1</sup>	-	-	-28	dBm
Receiver Sensitivity <sup>2</sup>	-	-	-29.5	dBm
Optical Overload	-7	-	-	dBm
Damage Threshold	-3	-	-	dBm

Note 1: 9.953Gbps PRBS 2<sup>31</sup>-1, ER>6dB, BER @ 1.0E-3

Note 2: 2.488Gbps PRBS 2<sup>23</sup>-1, ER>8.2dB, BER @ 1.0E-4

## Product Ordering Information

Part Number	Description
PRE-SFP10G-XGTB-N2I	SFP+, XGS-PON OLT, N2, SMF/SC, I-Temp