

PRE-SFP10G-EPONU-PR30I

SFP+, EPON ONU, 10G, PR30 SC-UPC, I-Temp



Product Features:

- Symmetrical 10G EPON ONU
- DFB Transmitter
- APD Receiver
- 1577/1270nm EPON D/U Wavelengths
- SC/UPC Connector
- <2.1W Power Consumption
- I-Temp Rated



Product Applications:

- FTTH
- Ethernet PON
- Triple Play Services

Standards:

- IEEE 802.3av
- PR-10, PR-20, PR-30
- SFF-8472
- CE Compliant
- FCC/UL Compliant

PON Features:

- DPoE/OAM Compliant
- Multiple LLIDs per Device
- Multicast LLID and IGMP/MLD
- AES-128, MACSec
- FEC
- DBA Reporting

Ethernet Interface:

- 802.1D Bridging
- 802.1Q
- VLAN Q-Q
- CoS
- ToS/DSCP
- 802.1p Marking

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	-40	-	85	°C
Operating Humidity	5	0	85	%
Power Consumption	-	-	2.1	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Split Ratio	-	32	64	

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1260	1270	1280	nm
Average Tx Power	4	-	9	dBm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	6	-	-	dB

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1575	1577	1580	nm
Receiver Sensitivity ¹	-28.5	-	-	dBm
Optical Overload	-	-	-8	dBm

Note 1: PRBS 2³¹-1, ER>6dB, BER < 1.0E-3

Product Ordering Information

Part Number	Description
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