

CEx-wdm Module

Features

- Automatic Optical alignment
- Bi-directional
- Optical path epoxy free
- Low insertion loss & high Isolation;
- Thin Film Filter Technology
- RoHS compliant



Applications

T&S' CEx-wdm Series is designed for Next Generation Passive Optical Networks (NG-PON), a new optical access system that coexists with GPON on the same ODN. Our CEx-wdm Modules, including GPON, XG-PON, NG-PON2 and OTDR, are designed to accommodate NG-PON1 and NG-PON2 TWDM wavelengths to maximize the density and enhance the speed of optical distribution network.

Specification

Parameters	Unit	Specification
Operating Wavelength Range	nm	1260~1660
GPON Bands	Operating Wavelength	1290~1330 & 1480~1500
	Insertion Loss*	≤1.3
	Isolation @ XG-PON bands & NG-PON2 bands & OTDR bands	≥35
XG-PON Bands	Operating Wavelength	1260~1280 & 1575~1581
	Insertion Loss*	≤1.6
	Isolation @ GPON bands & NG-PON2 bands & OTDR bands	≥35
NG-PON2 Bands	Operating Wavelength	1524~1544 & 1596~1625
	Insertion Loss*	≤1.8
	Isolation @ GPON Bands & XG-PON bands & OTDR bands	≥40
OTDR Bands	Operating Wavelength	1640~1660
	Insertion Loss*	≤2.2
	Isolation @ GPON Bands & XG-PON bands & NG-PON2 bands	≥35
Pass Channel Ripple	dB	≤0.3
Return Loss	dB	≥45
Directivity	dB	≥45
Polarization Dependent Loss	dB	≤0.2
Polarization Mode Dispersion	Ps	≤0.2

Information and specifications are subject to change without notice.
Please visit www.china-tscom.com for more information

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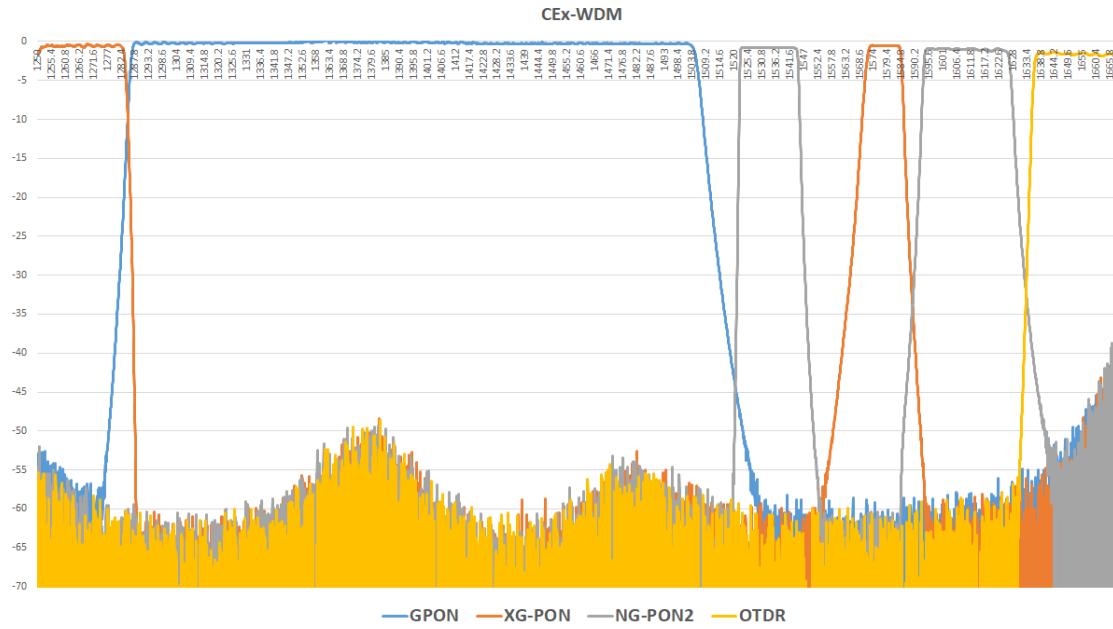
Power handling	mW	≥300
Fiber Type	/	Customer specified
Fiber Length	m	1.0m or customer specified
Connector Type	/	Customer specified
Operating Temperature	°C	-5 ~ +70
Storage Temperature	°C	-40 ~ +85
Package Dimension	mm	L100 x W80 x H10 ABS Box or L60 x W50 x H7.0 Metal Box

Note:

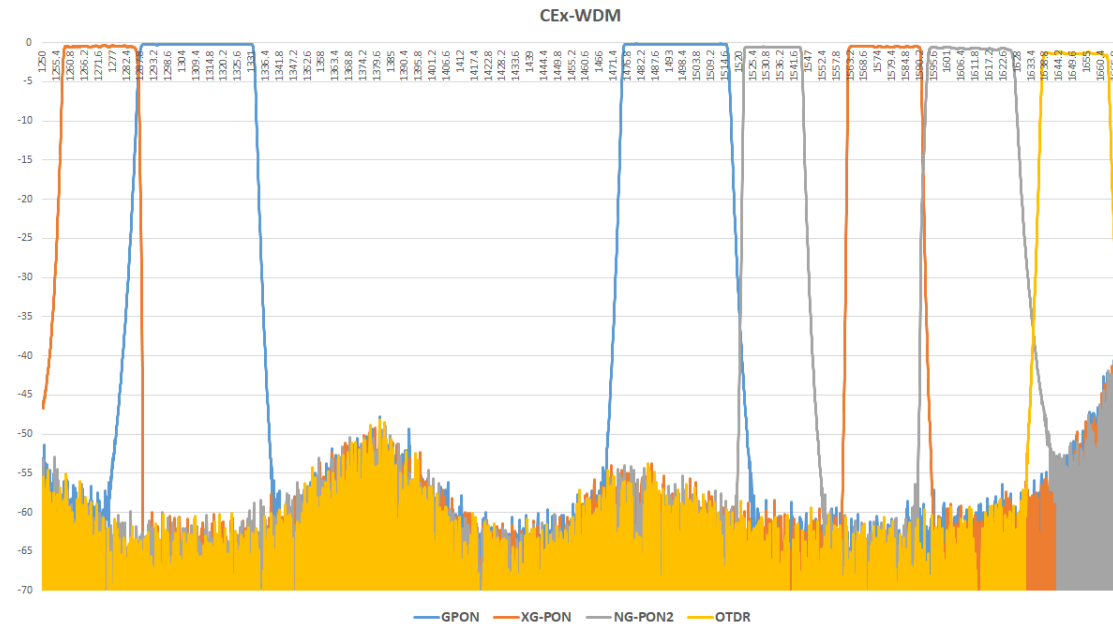
- Insertion loss including connector loss.
- Customized dimension is available.

Spectral Test Chart

Type A:



Type B:



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