



# WDM for GPON, 10GPON and NGPON2 Coexistence Mux



### Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Good channel to channel uniformity
- Wide Operating Wavelength
- Wide Operating Temperature:  
From -40°C to 85°C
- High Reliability and Stability

### Applications

- GPON system
- EPON Network
- WDM PON Networks

### Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHs

### Specifications

Performance specifications		Unit	Value
G-PON	Wavelength range	nm	1290 to 1330 & 1480 to 1500
	Insertion loss	dB	0.8
	Isolation @10GPON&NG-PON2	dB	>30
10GPON (XG-PON & XGS-PON)	Wavelength range	nm	1260 to 1280 & 1575 to 1581
	Insertion loss	dB	1.3
	Isolation @ G-PON&NG-PON2	dB	>30
NG-PON2 bands	Wavelength range	nm	1524 to 1544 & 1596 to 1625
	Insertion loss	dB	1.4
	Isolation @ G-PON&10GPON	dB	>30
Ripple		dB	< 0.3
Directivity		dB	>50
Optical return loss		dB	>45
Polarization dependent loss		dB	<0.2
Polarization Mode dispersion		ps	<0.1

Operating temperature	°C	-40 to 85
Storage temperature	°C	-40 to 85
Max optical Power	mW	500
Plastic Module (Lxhxd)	mm	80*58*8
LGX box (Lxhxd)	mm	153*105*29
X6500 Module 1H (Lxhxd) (two modules fit 1U)	mm	186*152*20
X6500 Module 2H (Lxhxd) (one module fits 1U)	mm	195*155*40
Fiber type	N/A	G657.A1 or SMF-28

## Notes:

1. Specified without connectors.
2. Add an additional 0.2 dB loss per connector.

Ordering information<sup>1</sup>

PN	Description
XM04-MPNGLR	XenOpt Coexistence WDM Plastic Module Mux, LC, Small Package, -40°C to 85°C
XMxx-MPNGLM	LGX box , up to 6 modules fits in one box (xx - up to 24 (ports)), -40°C to 85°C
XMxx-MPNGLE	X6500 Module 1H, 5 modules fits in 1H (xx - up to 20 (ports)), -40°C to 85°C
XMxx-MPNGLF	X6500 Module 2H, 10 modules fits in 2H (xx - up to 40 (ports)), -40°C to 85°C

## Notes:

- <sup>1</sup> For accurate order specification please contact Xenopt reseller before placing an order. The content of this document is subject to change without notice. Xenopt does not guarantee errorless or outdated information. Please specify any compatibility requirements at time of ordering.

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