

Features

- * Up to 16 channels
- * Wide operating wavelength
- * Low insertion loss
- * High channel isolation
- * High stability and reliability
- * Cost effective
- * Compact package size

Applications

- * Access/Enterprise networks
- * Metro networks
- * Test system or instrument

Description

GIP Technology DWDM Multiplexer Unit (TLM-MUX-DW-00-U) is designed for the Dense Wavelength Division Multiplex application. It supports 4/8 or up to 16 channels, which are provided to multiplex and demultiplex signals in metro WDM systems and access networking with cost-effective to DWDM Metropolitan networks.

Typical channel spacing is 100GHz. The TLM-MUX-DW-00-U features a wide passband and



ensures consistent quality, reliability and high performance.

The compact package provides solutions for multiple applications and serving area sizes.



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Specifications

Optical Information		Unit	Description		
Channel number			4	8	16
Center wavelength		nm	1528~1563		
Center wavelength accuracy		nm	±0.05		
Channel spacing		GHz	100		
Channel passband	Min.	nm	0.22		
Channel insertion loss	Max.	dB	2.0	3.2	4.5
Channel ripple	Max.	dB	0.3	0.5	0.5
Adjacent channel isolation	Min.	dB	25		
Non-adjacent channel isolation	Min.	dB	35		
Directivity	Min.	dB	50		
Return loss	Min.	dB	45		
Polarization dependent loss	Max.	dB	0.2		
Polarization mode dispersion	Max.	ps	0.1		
Max. handling power	Typ.	mW	300		
Connector			SC or FC		
Environmental Information					
Operating temperature		°C	0 ~ 70		
Storage temperature		°C	-20 ~ 80		
Relative humidity (non-condense)		%	5 ~ 85		
Mechanical Information					
Dimension (W x L x H)			19" and 23" 1-RU rack		

*1. All of above values are measured without connector loss