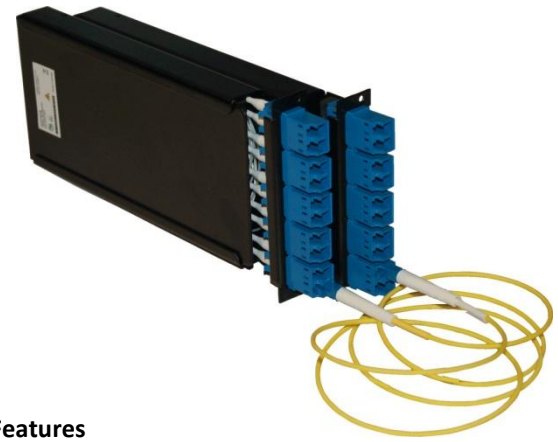
norwia

WDM-2-1310-1550-x

2 channel WDM Filter/Mux package for Video and Data applications

Data Sheet



Description

The WDM-2-1310-1550-x are passive 2 channel WDM MUX/DMUX filters that fit with the miniHUB frame system.

You can install 2 packages into the miniHUB-2RU-4-2 or 10 packages into the miniHUB-2RU-0-10 passive frame.

Each WDM filter has 3 ports, 2 ports for accepting the WDM wavelengths and a common port that combines the 2 channels for feeding to and from your fiber network. The WDM uses 1310nm + 1550nm, and any standard F-P and DFP lasers with those wavelengths can be used.

These filters are available with 1, 2 or 3 WDM units per package.

These filters use the LC/PC fiber connectors that are preferred by SMPTE

Features

- 2 channels per fiber
- Compatible to any F-P or DFB laser of correct wavelength
- Wide bandwidth with high adjacent channel isolation
- High density with up to 3 filters per package
- Compliant to SMPTE 297-2006
- Compliant to ITU-T G.694.2
- Allows bi-directional traffic
- LC/UPC connector

Part Number Options

Part Number	WDM units per package	Temperature *)
WDM-1310-1550-1	1	-5°C to +55°C
WDM-1310-1550-2	2	-5°C to +55°C
WDM-1310-1550-3	3	-5°C to +55°C

*) Rated temperature for the complete miniHUB.

Absolute Maximum Ratings

Absolute maximum ratings are those values beyond which functional performance is not intended, device reliability is not implied, and damage to the device may occur.

Parameter	Minimum	Maximum	Unit
Storage temperature (non-operating)	-40	+85	°C
Relative Humidity (non-condensing)	5	95	%

Recommended Operating Conditions

Parameter	Minimum	Typical	Maximum	Unit
Case operating temperature:	0		+70	°C
Relative Humidity (non-condensing)	5		90	%

Optical Characteristics

Parameter	Minimum	Typical	Maximum	Unit
Number of Channels	2 + Common			
Operating Center Wavelenth	1310, 1550			nm
Optical pass band	1260-1360 / 1460-1620			nm
Insertion Loss (including connectors)			1.5	dB
Isolation, Adjacent Channel	30			dB
Connector	LC/UPC			
Transmitting circuit fiber	Single Mode (9/125µm)			

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