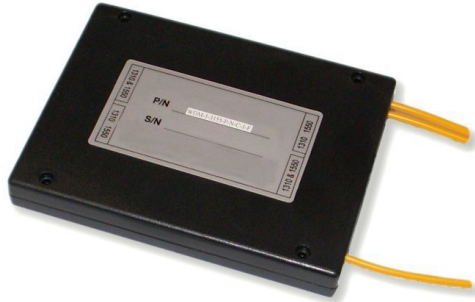


Product description

Single mode WDM (Wavelength Division Multiplexer) is used to combine or separate 1310 and 1550nm band signals, with very good isolation of wavelengths and low insertion loss. This way of doubling transmission capacity of optical fiber rapidly reduces cost instead of installing new fibers to the existing network.



Applications

- Doubling capacities of exiting networks
- WDM Network applications

Advantages

- Minimal insertion loss
- High isolation of signals
- High return loss
- Low polarization dependent loss
- Environmentally stable

Parameters

| Parameters | Guaranteed value | Typical value | Guaranteed value | Typical value |
|------------------------------------|--------------------|---------------|------------------|---------------|
| Center Wavelength | 1310nm | | 1550nm | |
| Operation Wavelength | 1310±10nm | | 1550±10nm | |
| Max. Insertion Loss | 0,30dB | 0,08dB | 0,30dB | 0,08dB |
| Min. Isolation | 20dB | 30dB | 20dB | 28dB |
| Max. PDL | 0,1dB | 0,02 | 0,1dB | 0,02 |
| Min. Directivity | >55dB | >55dB | >55dB | >55dB |
| Polarization Dependent Loss | 0,1dB | | | |
| Operating Temperature | -5 to +70 °C | | | |
| Port 1 | 1550nm red | | | |
| Port 2 | 1310nm blue | | | |
| Fiber Type | Corning SMF-28 | | | |
| Connector types | LC, MU, SC, ST, FC | | | |

*Values are referenced without connector loss

| | | | | |
|--|-----------------|----------|------------------|----------------------|
| Datasheet no: | 04 | Part no: | | Revision A |
| Description | | | | |
| Created by: | Mozgunov Dmitry | Date: | December 6, 2006 | |
| Approved by: | Peter Lowy | Date: | December 6, 2006 | |
| | | | Page 1 of 1 | |
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