



1、 Description

1x2 Tap WDM device is based on the thin film filter technology, which can allot different proportion of optical power, the proportion can be specified by customer.

2、 Features

- Epoxy-free on Optical Path
- High Stability and reliability
- Material meet RoHS
- Meet GR 1209,GR 1221 requirement

3、 Specification

| Parameter | Min. | Typical | Max. |
|----------------------------------|---------|---------|-----------------|
| Working Wavelength Range(nm) | 800-900 | | |
| Pass Channel Insertion Loss (dB) | | | See below table |
| Reflection Channel Loss (dB) | | | See below table |
| Directivity(dB) | 30 | | |
| Return Loss(dB) | 30 | | |
| Polarization Dependent Loss (dB) | | | 0.10 |
| Maximum Optical Power (mW) | | | 500 |
| Operating Temperature Range (°C) | -5~70 | | |

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1x2 Tap WDM device

| | |
|-------------------------------|--|
| Storage Temperature Range(°C) | -40~85 |
| Fiber Type | Corning ClearCurve OM4 multi-mode fiber or equal |
| Fiber Length (m) | 1.0 (or customized) |

Below table show the different insertion loss vs different proportion:

| Coupling Ratio | Insertion Loss | |
|----------------|------------------|---------------|
| | Reflect Port(dB) | Pass Port(dB) |
| R90T10 | 1.0 | 11.2 |
| R80T20 | 1.6 | 7.6 |
| R70T30 | 2.0 | 6.0 |
| R60T40 | 2.8 | 4.7 |
| R50T50 | 3.7 | 3.7 |

4、Application

- Data center
- CATV
- FTTH

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