

If you are splitting light, coupling wavelengths or monitoring circuits the Ridgemount devices are an ideal choice.

The Ridgemount 795 series Coarse Wavelength Division Multiplexer [CWDM] module is based on thin film technology and micro optics. It isolates a waveband every 20nm from 1471nm to 1611nm with an additional option to have a wide 1310nm window.

The miniature pigtail module as been designed to be integrated into customer's own housings or transmission systems. Alternatively Ridgemount can configure the module into our 3U POD module.

Maximising the use of an installed network, the CWDM modules allows the network operator to transmit up to nine separate signals with relatively few modifications down the same fibre.



Features

- Compact Module, up to 1x9.
- Screw Mounting.
- Secondary Coated Fibre Tails.
- Excellent Channel Isolation.
- Choice of Channels & Wavelengths.
- MUX and DMUX Pairs available.
- Choice Connector Interfaces.

Benefits

- Guaranteed performance. Factory tested.
- Simple to install – no specific training required.
- Suitable for use in a variety of enclosures.
- Compatible with Ridgemount POD module.
- CUSTOMER specified wavelength options.

Applications

Ridgemount CWDMs ideal for;

FTTx Telecoms
CATV & Broadcast
Base Stations
FibreTV

| Part Number 795' | |
|------------------------------------|--|
| Fibre Type | Singlemode 9/125 G652d |
| Central Wavelengths available [nm] | 1310nm And / or combination of 14711nm to 1611nm |
| Channel Pass Band | ±40 ±6.5nm [20nm Channel Spacing] |
| Insertion Loss | 4 channel = 1.0dB / 8 channel = 1.5dB [0.5dB Pass band Ripple] <i>plus connectors*</i> |
| Channel Isolation | Adjacent Channels ≥30dB / Non-Adjacent ≥45dB |
| PDL / PMD | 0.2dB / 0.2ps [300mW Power Handling] |
| Directivity | >55dB Min. |
| Return Loss | >40dB Min.[with connector] |
| Operational Temp | -5°C to +70°C [Storage -40°C to +85°C] |
| Module Dimensions | L58mm x W30mm x H9.6mm – not including tails |
| Input Options | FCUPC Connector [or as specified] [0.2dB / pair] 1m |
| Output Options | LCUPC Connector [or as specified] [0.2dB / pair] 1m |

Technical Data Sheet

Part No. 795 Series

DRAWN: CRP

ISSUE: A

CHECKED: ML

DATE: 22/12/10

Description: CWDM Module

Dimensions in millimetres unless otherwise stated.
Do not scale.

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optimising optical fibre performance