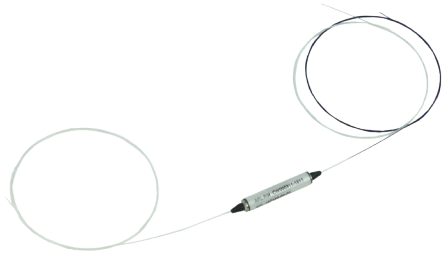


DWDM Single-channel OADM

The Single-channel OADM is designed to add/drop a single channel from an optical fiber. This product is hardened and designed to perform in OSP applications, but can also be used in splice trays or similar fixtures in Inside Plant or similar environments. While 250 µm leads are most commonly desired, these products can also be supplied with color-coded 900 µm leads and terminated with virtually any common single fiber optical connector.

Features

- Hardened for OSP use
- Low Excess Loss
- Low PDL
- Color coded 900 µm leads available

Applications

- Metro Ethernet / Cellular Backhaul
- Access Networks
- DWDM Systems
- CATV Links

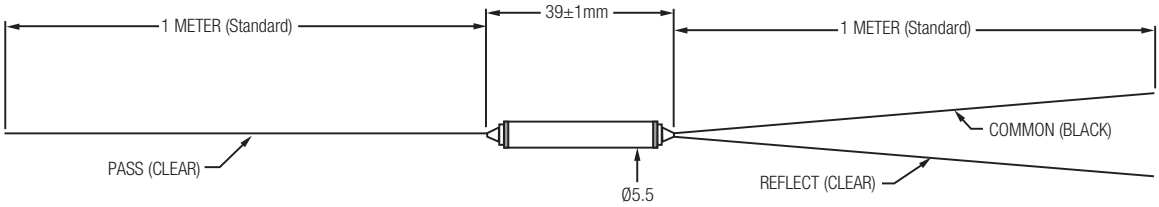
Specifications

PARAMETER	UNITS	VALUE
Center Wavelength	nm	ITU-T Grid
Channel Passband	nm	ITU-T ± 0.11
Passband Flatness	dB	≤ 0.5
Bandwidth (@ -5 dB)	nm	≥ 0.5
Insertion Loss (Pass Channel)	dB	Typical 1.0, Max 1.2
Insertion Loss (Reflect Channel)	dB	Typical 0.6, Max 0.8
Adjacent Channel Isolation	dB	≥ 25
Non-Adjacent Channel Isolation	dB	≥ 45
Isolation (Reflect Channel)	dB	≥ 12
Return Loss	dB	≥ 45
PDL	dB	≤ 0.1
Directivity	dB	≥ 45
IL Thermal Stability	dB/°C	≤ 0.005
Wavelength Thermal Stability	nm/°C	≤ 0.001
Package	mm	5.5D x 55L (900 µm) 5.5D x 39L (250 µm)

Ordering Information

ITEM NUMBER	DESCRIPTION
CM000461-CHXX	DWDM TFF, 3-Port, Ch. XX, 250 µm fiber, NC, OSP

XX = Channel Number



Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
RoHS	Compliant	Cable

Temperature Specifications

TEMPERATURE RANGE	
Operation Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C

Contact AFL for further details.