



CWDM Single-channel OADM

The CWDM Single-channel OADM is designed to add/drop a single CWDM channel from an optical fiber. This product is hardened and designed to perform in OSP applications from -40° to +85° C, but can also be used in splice trays or similar structures 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 900µm leads available
- RoHS Compliant

Applications

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

Specifications

PARAMETER	UNIT	VALUE
Center Wavelength	nm	ITU-T Grid
Channel Passband	nm	ITU-T Grid ± 6.5
Passband Flatness	dB	< 0.5
Bandwidth (@ -5dB)	nm	>14
Insertion Loss (Pass Channel)	dB	< 1.0
Insertion Loss (Reflect Channel)	dB	< 0.6
Adjacent Channel Isolation	dB	> 30
Non-Adjacent Channel Isolation	dB	> 45
Isolation (Reflect Channel)	dB	> 13
Return Loss	dB	> 45
PDL	dB	< 0.1
Directivity	dB	> 50
IL Thermal Stability	dB/°C	< 0.005
Wavelength Thermal Stability	nm/°C	< 0.002
Operation Temperature	°C	-40 to +85
Operation Humidity	% RH	5 to 95 not condensed
Storage Temperature	°C	-40 to +85
Storage Humidity	% RH	0 to 95 not condensed

Part Numbers

ITEM NUMBER	MODEL CODE	PASSBAND
CW000311-1431	CWDM TFF, 3-Port, 1431nm, 250µm leads, NC, OSP	1431
CW000311-1451	CWDM TFF, 3-Port, 1451nm, 250µm leads, NC, OSP	1451
CW000311-1471	CWDM TFF, 3-Port, 1471nm, 250µm leads, NC, OSP	1471
CW000311-1491	CWDM TFF, 3-Port, 1491nm, 250µm leads, NC, OSP	1491
CW000311-1511	CWDM TFF, 3-Port, 1511nm, 250µm leads, NC, OSP	1511
CW000311-1531	CWDM TFF, 3-Port, 1531nm, 250µm leads, NC, OSP	1531
CW000311-1551	CWDM TFF, 3-Port, 1551nm, 250µm leads, NC, OSP	1551
CW000311-1571	CWDM TFF, 3-Port, 1571nm, 250µm leads, NC, OSP	1571
CW000311-1591	CWDM TFF, 3-Port, 1591nm, 250µm leads, NC, OSP	1591
CW000311-1611	CWDM TFF, 3-Port, 1611nm, 250µm leads, NC, OSP	1611

* Additional configuration available upon request. Contact AFL Customer Service.

