

# CWDM Single Device

## Features:

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant

## Applications:

- Add/Drop System
- CWDM System
- CATV System



## Specifications:

Parameters		Unit	Specifications
Central Wavelength		nm	1470,1490...1590,1610 1471,1491...1591,1611
Channel Passband		nm	$\lambda_c \pm 6.5(\text{Min})$
Insertion Loss	Add/Drop Channel	dB	$\leq 0.7$
	Express Channel		$\leq 0.4$
Isolation	Adjacent Channel	dB	$\geq 30$
	Non-adjacent Channel		$\geq 40$
	Express Channel		$\geq 12$
Ripple in Passband		dB	$\leq 0.3$
Temperature Stability		dB/°C	$\leq 0.005$
PDL		dB	$\leq 0.2$
PMD		dB	$\leq 0.1$
Return Loss		dB	$\geq 45$
Directivity		dB	$\geq 55$
Maximum Power Handling		mW	500
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~85
Package Dimension		mm	B: ( $\Phi$ )3.8×(L)23 for 250 $\mu$ m bare fiber
		mm	S: ( $\Phi$ )5.5×(L)35 for 250 $\mu$ m bare fiber w/SS tube
		mm	L & T: ( $\Phi$ )5.5×(L)40 for 900um w/SS tube

1. All specifications include the effect of all states of polarization.

2. Values referenced without connectors, insertion loss for a connector-pair is 0.20dB to 0.30dB.

3. Package dimension excludes rubber boot.