



## Compact Coarse Wavelength Division Multiplexer

### Features

- Based Thin Film Filter Technology
- Free Space
- Temperature Independent Performance
- Compact and Reliable

### Applications

- Mux or DeMux
- Combine/Separate 8 Channels with 20nm Spacing
- Metro Optical Networks
- Metro Access Networks

### Performance Specifications

Parameters	Specification	Unit
Center Wavelength( $\lambda_c$ )	1471,1491,1511,1531,1551,1571, 1591, 1611 or 1470,1490,1510,1530,1550,1570, 1590, 1610	nm
Channel Spacing	20	nm
Channel Passband	$\lambda_c + 6.5$ (minimum)	nm
Passband Ripple	$\leq 0.3$	nm
Insertion Loss	$\leq 1.5$	dB
Isolation (adjacent channel)	$\geq 30$	dB
Isolation (non-adjacent channel)	$\geq 45$	dB
Polarization Dependent Loss	$\leq 0.20$	dB
Directivity	$\geq 50$	dB
Return Loss	$\geq 45$	dB
Fiber type	SMF 28e+ with 900um loose tube	--
Operating Temperature	-5 to 70	°C
Storage Temperature	-40 to 85	°C
Package Dimension	45*28*6	mm