

# CWDM / DWDM / FWDM / AWG



## Applications

- CWDM/DWDM systems
- System monitoring
- Transmitters and Fiber lasers
- Fiber optic instruments

## Features

- Low insertion loss
- Wide operating wavelength range
- High isolation
- High stability and reliability
- Ultra flat wide pass band

# Performance

Type	2 Channels	4 Channels	8 Channels	16 Channels
Insertion Loss(dB)	<0.60	<1.80	<2.50	<3.50
Return Loss(dB)		>50		
Operating Wavelength(nm)		>55		
Channel bandwidth (nm)		(1270 ~ 1610) $\pm 10, \pm 20, \pm 20, \pm 40$		
Channel flatness (dB)		$\lambda_c \pm 6.5$		
Directivity(dB)		<0.40		
Channel uniformity (dB)		<1.0		
Isolation (dB) - Demux adjacent channel		>30		
Isolation (dB) - Mux or Reflection channel		>15		
PDL (dB)		<0.15		
PMD (ps)		<0.10		
Wavelength thermal stability (nm/°C)		<0.003		
Insertion loss thermal stability (dB/°C)		<0.005		
Isolation (dB) - Demux non-adjacent channel		>40		
Power handling (mW)		<500		
Operating temperature (°C)		0 ~ +70		
Storage temperature (°C)		-40 ~ +85		
Dimensions (mm)		$\phi 5.5 \times L34$ or $\phi 5.5 \times L31$		