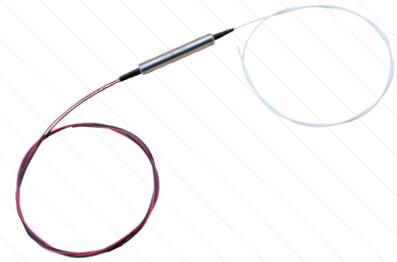


CWDM (Coarse Wavelength Division Multiplexers)

CWDM (Coarse Wavelength Division Multiplexer) is based on thin-film filter technology and patented athermal platform systems for optical devices. The CWDM is used to combine or separate different optical wavelength signals. This device offers a very flat and wide passband, low insertion loss, and high isolation, which make it ideal for CWDM Network applications and Optical Amplification Systems. KOC CWDM devices are Bellcore GR-1221 qualification tested and are in compliance with industry green initiatives such as RoHS and WEEE. All KOC CWDM products are epoxy-free in the optical path.



Features

- Widely Operating Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- High Stability and Reliability
- Insensitive to shock and vibration
- Ultra Flat Wide Pass band
- Epoxy Free Optical Path

Applications

- System Monitoring
- WDM System
- Transmitters and Fiber lasers
- Fiber Optical Amplifier
- Fiber optic instruments

Specifications

Parameter		Specification	Unit
Channel Center Wavelength		1270~1610 or 1271~1611	nm
Channel Spacing		20	nm
Channel Clear Passband		ITU+7	nm
Transmission Insertion Loss	Max	0.8 (Typ 0.6)	dB
Reflection Insertion Loss	Max	0.6 (Typ 0.4)	dB
Passband Ripple	Max	0.3	dB
Transmission Isolation	Min	30	dB
Reflection Isolation	Min	12	dB
Return Loss	Min	45	dB
Directivity	Min	45	dB
Polarization Dependent Loss	Max	0.1	dB
Operating Temperature Range		0~ +70	°C
Storage Temperature Range		-40~+85	°C
Maximum Power Handling		300	mW
Package Dimension (L" φ)		38*5.5	mm

Order Guide

CWDM-3P	Center wavelength	Fiber Type	Connector Type
	1271~1611; 1270~1610	1: 250μm bare fiber	0: Without connector
	Example: 1271 = 1271nm	2: 900μm tight buffer fiber	1: FC/ PC 2: FC/UPC 3: FC/APC
	other		4: SC/PC 5: SC/UPC 6: SC/APC
			7: ST 8: LC 9: MU X: Cusmized