

100/200GHz Dense Wavelength Division Multiplexing

Features

High Isolation
 Low Insertion Loss
 Epoxy-Free Optical Path
 Telcordia GR-1221 Compliant

Applications

Broadband Systems
 OADM Nodes
 Telco Networks
 Metro Networks



Performance Specifications

Parameters	Specification		Unit
Center Wavelength	ITU Grid (C and L Band)		nm
Channel Spacing	100	200	GHz
Channel Passband	$\lambda_c + 0.11$ (minimum)	$\lambda_c + 0.11$ (minimum)	nm
Passband Ripple	≤ 0.4	≤ 0.4	nm
Insertion Loss	≤ 1.6 (2 Channel)	≤ 1.5 (2 Channel)	dB
	≤ 2.0 (4 Channel)	≤ 2.0 (4 Channel)	dB
	≤ 3.0 (8 Channel)	≤ 3.0 (8 Channel)	dB
	≤ 5.8 (16 Channel)	≤ 3.5 (16 Channel)	dB
Isolation (adjacent channel)	≥ 30		dB
Isolation (non-adjacent channel)	≥ 45		dB
Uniformity	≤ 1.0		dB
Insertion Loss Temperature Sensitivity	≤ 0.005		dB/°C
Polarization Dependent Loss	≤ 0.1		dB
Polarization Mode Dispersion	≤ 0.1		ps
Return Loss	≥ 45		dB
Directivity	≥ 55		dB
Operating Temperature	-5 to 65		°C
Storage Temperature	-40 to 85		°C
Package Dimension	(2-ch): 80 (L) x 58 (W) x 6.6 (H)		mm
	(4-ch): 80 (L) x 58 (W) x 6.6 (H)		
	(8-ch): 120 (L) x 90 (W) x 8 (H)		
	(16-ch): 120 (L) x 100 (W) x 14 (H)		

Mechanical Dimensions(mm)

