

Thin-Film Wavelength Division Multiplexer (980/1550)

Features

Wide Operating Wavelength Range
 Low Insertion loss
 Low PDL
 High Channel Isolation
 Ultra Flat Wide Passband
 Highly Stable & Reliable
 Epoxy Free Optical Path

Applications

WDM systems
 PON
 B-ISDN
 Fiberoptic Instruments
 Laboratory R & D



Performance Specifications

Parameters		Specifications	Unit
Transmitted Band		1530-1610	nm
Reflected Band		965-995	nm
Passband Insertion Loss		≤ 1.0	dB
Reflected band Insertion Loss		≤ 0.6	dB
Insertion loss uniformity over transmitted band		≤ 0.3	dB
Isolation in Transmission		≥ 30	dB
Isolation in Reflection		≥ 15	dB
PDL		≤ 0.1	dB
PMD		≤ 0.1	ps
Return Loss		≥ 50	dB
Directivity		≥ 55	dB
Operating Temperature		0 to 70	°C
Storage Temperature		-40 to 85	°C
Fiber Type		SMF-28 at signal, HI 1060 at com and pump port	
Package Dimension (excluding strain relief)	Bare Fiber	(1-ch): Φ5.5 x 35 typical	mm
	900 μm Loose tube	(1-ch): Φ5.5 x 40 typical	mm

Mechanical Dimensions(mm)

