

Thin-Film Wavelength Division Multiplexer (1310+1550/1490)

Features

Splitting All Three Wavelengths
Wide Pass Band
Low Insertion Loss
Compact Size

Applications

FTTx Systems
WDM Network
Testing Instruments



Performance Specifications

Parameters		Specifications	Unit
Reflected Band		1310 ± 50 and 1550 ± 15	nm
Transmitted Band		1490±10	nm
Pass band Insertion Loss @1490±10		≤ 1.0	dB
Reflected band Insertion Loss	@1310±50	≤ 0.5	dB
	@1550±15	≤ 0.8	
Insertion loss uniformity over transmitted band		≤ 0.3	dB
Insertion loss uniformity over reflected band		≤ 0.2	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		-5 to 65	°C
Storage Temperature		-40 to 85	°C
Fiber type		SMF-28	
Package Dimension (excluding strain relief)		Φ5.5 x 40 typical	mm

Mechanical Dimensions(mm)

