



1x2 Triplexer WDM Coupler for FTTH

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
	Standard	High Isolation
Type	Standard	High Isolation
Operating Wavelength	1310 ± 50nm, 1490 ± 10nm and 1555 ± 5nm	
Pass (λ _p) / Reflection Band (λ _r)	On customer request	
Insertion Loss (Pass Band)	≤ 0.80dB	≤ 0.80dB
Insertion Loss (Reflect Band)	≤ 0.50dB	≤ 0.80dB
Channel Isolation ((Pass Band (λ _p))	≥ 40dB	≥ 40dB
Channel Isolation ((Reflect Band (λ _r))	≥ 15dB	≥ 40dB
Insertion Loss Temperature Sensitivity	≤ 0.003dB/°C	
Wavelength Temperature Shifting	≤ 0.002nm/°C	
Polarization Dependent Loss	≤ 0.10dB	
Polarization Mode Dispersion	≤ 0.10ps	
Directivity	≥ 55dB	
Return Loss	≥ 50dB	
Optical Power	≤ 300mW	
Operating Temperature	0 to +70°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions	A= Standard, Φ5.5xL34mm (250um fiber) Φ5.5xL38mm (900um fiber)	S=L89xW51xH9.2mm

All values referenced are without connector.

FEATURES

- Low Insertion Loss
- Flat Spectral Gain
- High Stability and Reliability
- Epoxy Free Optical Path

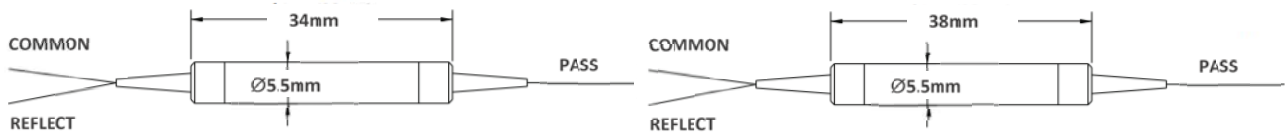
APPLICATION

- FTTX Application
- WDM Network System

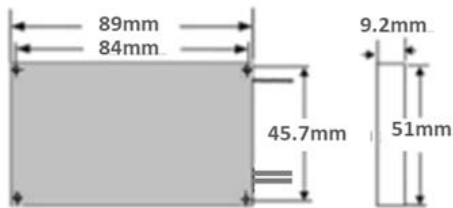
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MECHANICAL DIMENSIONS

Standard (Package A)



High Isolation (S Package)



CHANNEL CONFIGURATIONS



ORDERING INFORMATION

MWDM	Wavelength Band	FTTH	Option	Package	Fiber Type*	Pigtail Style	Fiber Length	In Connector	Out Connector
	5T=1310 or 1490 Reflected, 1550 Pass		S=Standard H=High Isolation	A=A package S=S package	2=SMF-28 Ultra (G.657.A1)	1=Bare fiber 2=900um loose tube	05=0.5m 10=1.0m · · · 20=2.0m	0= None 1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC	0= None 1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC
	5R=1310 or 1490 Pass, 1550 Reflected				3=ClearCurve ZBL(G.657.B3)				
	4T=1310 or 1550 Reflected, 1490 Pass								

*1=SMF-28(G.652) is available upon request.