

Tap Coupler-Optical Isolator Hybrid



PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
	Single	Dual
Stage	1310 or 1550nm	
Operating Wavelength	1310 or 1550nm	
Optical Bandwidth	± 15nm	± 30nm
Tap Channel Isolation Loss	19.0 ~ 20.8dB (1%)	
	16.2 ~ 18.0dB (2%)	
	12.2 ~ 14.0dB (5%)	
Minimum Isolation	≥ 31 ¹⁾ dB	≥ 45 ¹⁾ dB
Signal Channel Insertion Loss (Typ.)	1 & 2%: 0.60; 5%: 0.8dB	1 & 2%: 0.60; 5%: 1.0dB
Signal Channel Insertion Loss (Max.)	1 & 2%: ≤0.80; 5%: ≤1.0dB	1 & 2%: ≤1.0; 5%: ≤1.2dB
Polarization Dependent Loss	≤0.10dB	
Return Loss	≥ 55dB	
Optical Power	≤ 300mW	
Operating Temperature	0 to +70°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions	A= Standard, Φ5.5xL38mm	

Note:

1) At 23°C over bandwidth

All values referenced are without connector.

FEATURES

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Epoxy Free Optical Path

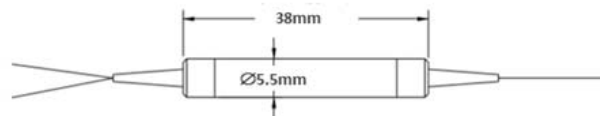
APPLICATION

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic LAN Systems
- Telecommunications

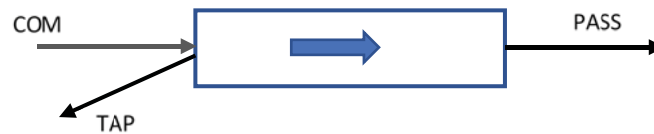
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MECHANICAL DIMENSIONS

A package:



PORT CONFIGURATIONS



ORDERING INFORMATION

TIH	Stage	Operating Wavelength	Grade	Tap Ratio	Package	Fiber Type*	Pigtail Style	Fiber Length**	In Connector	Out Connector
	S=Single	31=1310nm range	P=P Grade	1=1%	A=A package	2=SMF-28 Ultra	1=Bare fiber	05=0.5m	0=None	0=None
	D=Dual	55=1550nm range		2=2%		(G.657.A1)	2=900um	10=1.0m	1=FC/APC	1=FC/APC
				5=5%		3=ClearCurve ZBL(G.657.B3)	loose tube	•	2=FC/PC	2=FC/PC
								•	3=SC/APC	3=SC/APC
								•	4=SC/PC	4=SC/PC
								20=2.0m	5=ST	5=ST
									6=LC/UPC	6=LC/UPC
									7=LC/APC	7=LC/APC

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

**Other length is available upon request, However, 900µm loose tube is only up to 2m.