

1/2x2 SM Coupler

Features

- ◇ Different combinations of coupling ratio
- ◇ Low crosstalk & excess loss
- ◇ High optical return loss
- ◇ Available in dual wavelength operation
- ◇ Optional connectors termination upon request
- ◇ Available in 250um & 900um fiber, 2mm or 3mm jacket optical cable



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Description

YOUXIN offers both tree and star type inline couplers/splitters. They provide a reliable solution to split/combine signals. The splitting ratio ranges from 1x2 to 1x32 ports for tree couplers, and from 2x2 up to 8x8 for star couplers. Single and dual wavelength windows are available.

Parameter

Item	Specification		
	Standard	Wavelength Flattened	Broadband
Center wavelength	1310 or 1550 nm	1310 or 1550 nm	1310 & 1550 nm
Bandwidth	±20 nm	±40 nm	±40 nm
Coupling ratio	1 ~ 50%		
Typical insertion loss	≤3.2 dB		
Typical excess loss	≤0.15 dB	≤0.20 dB	≤0.20 dB
PDL	≤0.10 dB	≤0.15 dB	≤0.15 dB
Directivity	≥60 dB		
Connector	FC/APC or SC/APC, others for client specify		
Temperature stability	≤0.002 dB/°C		
Operation temperature	-40 ~ +70°C		
Storage temperature	-40 ~ +85°C		
Dimension	54x3mm stainless steel sleeve 90 x20 x10mm plastic box		

Applications

- ◇ FTTH, LAN, PON & Optical CATV
- ◇ Local ring net
- ◇ Optical fiber communication system



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- ◇ Optical fiber test equipment
- ◇ Optical fiber sensor