

1x2(2x2)Single Mode Coupler

Features

Low insertion loss
High extinction ratio and Isolation
Excellent environmental stability

Application

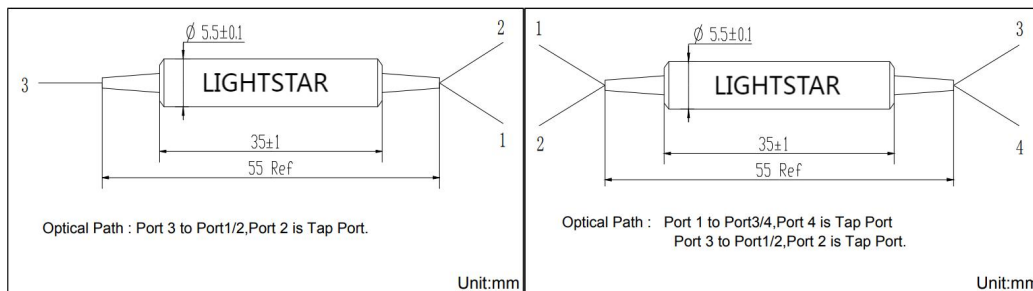
EDFA
Optical fiber amplifier
Optical fiber sensing

Specifications

Index Parameter	1 x 2		2 x 2	
Operating wavelength(nm)	1550, 1480, 1310	1064, 1030, 980	1550, 1480, 1310	1064, 1030, 980
Bandwidth(nm)	±40	±20	±40	±20
Additional losses(dB)	≤0.7	≤0.8	≤1.0	≤1.2
Uniformity(only for 50/50) (dB)	≤0.4	≤0.5	≤0.6	≤0.8
Splitting ratio (%)	1±0.2%, 2±0.4%, 5±1%			
Return loss(dB)	≥50			
Power(mW)	≤300			
Fiber type	SMF-28e or HI 1060			
Operating temperature(°C)	-5~+70			
Storage temperature(°C)	-40 ~ +80			
Package dimensions(mm)	φ5.5 × L35 or φ5.5 × L38 (only for bare fiber or 900um loose tube)			
	L90*W20*H9.5 (ABS) (P2) (only for 3mm or 2mm cable)			

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

SMFC--①①①①-②-③-④④④-⑤-⑥-⑦

①①①①:Wavelength
1310=1310nm
1550=1550nm
SSSS=Specify

②Port type
1=1x2
2=2x2

③:Splitting ratio
1= 1/99
A= 10/90
S=Specify

④④④:Fiber type
008=SMF-28e
004=HI1060
SSS=Specify

⑤:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑥:Length
H=0.5m
1= 1.0m
S=Specify

⑦:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify