

High Power Single Mode Taper Coupler(20W)

Features

- Low insertion loss
- High Power
- Excellent environmental stability

Application

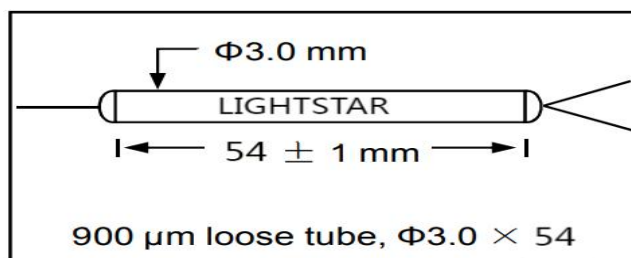
- Fiber optic instrument
- Test instrument
- Optical fiber sensing

Specifications

parameter		Wavelength		
		1060±10, 1030±10, 980±10nm	1550±20nm, 1480, 1310	2000±20nm, 1940
Maximum insertion loss(dB)	CR			
	50/50	3.6	3.5	3.7
	40/60	4.6/2.8	4.5/2.7	4.9/2.9
	30/70	5.9/2.2	5.8/2.0	6.0/2.2
	20/80	7.9/1.5	7.7/1.3	7.9/1.6
	10/90	11/0.9	10.85/0.75	11.2/0.95
	5/95	14.5/0.6	14/0.45	14.5/0.65
	3/97	16.5/0.5	16.35/0.35	17.0/0.55
	2/98	18.4/0.45	18.25/0.35	18.5/0.55
	1/99	21.8/0.4	21.5/0.3	22.0/0.5
Polarization dependent loss(dB)	0.1/99.9	28~32/0.4	28~32/0.3	28~32/0.5
	CR ≥ 30%	0.1	0.1	0.1
	30% > CR ≥ 1%	0.15	0.15	0.15
Return loss(dB)	CR < 1%		NA	
Directivity(dB)			50	
Power(W)			20	
Operating temperature(°C)			-5~75	
Storage temperature(°C)			-40~85	
Fiber type		HI1060 flex	SMF-28e	SMF-28e
Package dimensions:	Power 10W		Ø3×54	
	Power 20W		75×12×8	

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

PMFC-①①①①-②-③③-④④④-⑤-⑥-⑦-⑧

①①①①: Operating wavelength
 1550=1550nm
 2000=2000nm
 SSS=Specify

②: Port type
 1=1x2
 2=2x2

③③: Beam split port splitting ratio
 01=1%
 05=5%
 SS=Specify

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

⑤: Package dimensions
 C=75×12×8
 D=3×54
 S=Specify

⑥: Pigtail type
 1=250um bare fiber
 2=900um loose tube
 S=Specify

⑦: Length
 H=0.5m
 1= 1.0m
 S=Specify

⑧: Connector
 0=None
 1=FC/UPC
 2=FC/APC
 S=Specify