

High Power Single Mode Taper Coupler(20W)

Features

Low insertion loss
High Power
Excellent environmental stability

Application

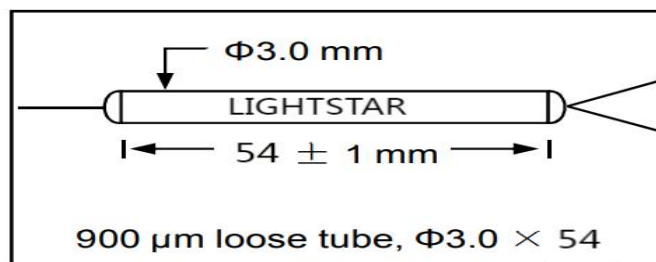
Fiber optic instrument
Test instrument
Optical fiber sensing

Specifications

Wavelength		1060±10nm, 1030±10,980±10	1550±20nm, 1480,1310	2000±20nm,1940
parameter				
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
	0.1/99.9	28~32/0.4	28~32/0.3	28~32/0.5
Polarization dependent loss(dB)	CR ≥ 30%	0.1	0.1	0.1
	30% > CR ≥ 1%	0.15	0.15	0.15
	CR < 1%	NA		
Return loss(dB)		50		
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
SSSS=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