

980-2000nm High Power Polarization-maintaining Single Mode fused Coupler

Features

Low insertion loss
High extinction ratio
Excellent environmental stability

Application

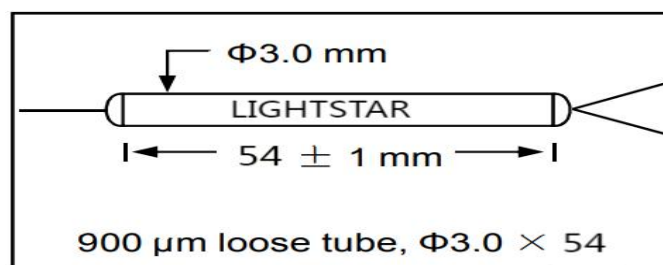
Optical fiber amplifier
Coherent communication
Optical fiber gyro

Specifications

Parameter		Unit	Premium	A grade	Premium	A grade
Central wavelength		nm	1064,1030,980 or Specify		2000,1940,1550,1480,1310 or Specify	
Bandwidth		nm	±20		±20	
Splitting ratio	50/50	%	±5.0	±6.0	±5.0	±6.0
	40/60	%	±4.0	±4.8	±4.0	±4.8
	30/70	%	±3.0	±3.7	±3.0	±3.7
	20/80	%	±2.5	±3.0	±2.5	±3.0
	10/90	%	±2.2	±2.4	±2.2	±2.4
	5/95	%	±1.5	±1.7	±1.5	±1.7
	3/97	%	±1.1	±1.3	±1.1	±1.3
	2/98	%	±0.8	±1.0	±0.8	±1.0
Polarization extinction ratio	CR > 10%	dB	18	15	20	17
	10% ≥ CR > 1%	dB	14	11	16	13
	CR ≤ 1%	dB	NA	NA	NA	NA
Additional losses		dB	0.8	1.0	0.4	0.6
Minimum return loss		dB	50			
Power		W	1,3,5,10,20 or Specify			
Operating temperature		°C	-5~70			
Storage temperature		°C	-40~85			
Fiber type		-	PM Fiber			
Package dimensions	Power 5W	mm	Ø3.0×54			
	Power 20W	mm	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

HPMSMC-①①①①-②-③③-④④-⑤-⑥-⑦-⑧

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

②: Port type
1=1x2
2=2x2

③③: Splitting ratio
01=1%
05=5%
SS=Specify

④④: Power
01=1W
05=5W
SS=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