

532-2050nm Polarization-maintaining taper coupler(1x2/2x2)

Features

Wavelengths 532-2100nm are available
 Low insertion loss
 High stability & reliability

Application

Coherent communication system
 Power monitoring & Optical fiber instrumentation
 Fiber sensing & Fiber lasers

Specifications

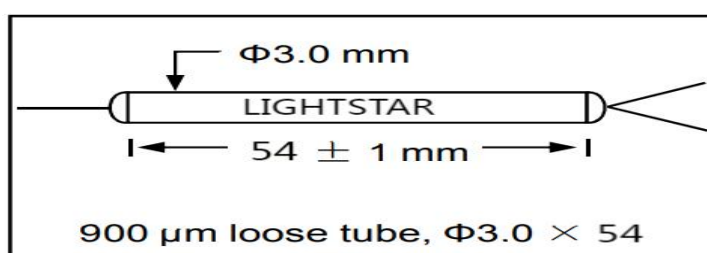
Parameter	Unit	Value				
Central wavelength	nm	2050,2000,1950	1550, 1310	1064,1030,980	850,808,780	633, 532
Operating bandwidth	nm	±15	±15	±10	±10	±5
Maximum additional loss	dB	0.8	0.5	0.6	0.8	1.4
Minimum extinction ratio	dB	16	20	20	20	18
Minimum directivity	dB	50				
Minimum return loss	dB	50				
Maximum tolerable power (CW)	W	3 (300mW for 532&633nm)				
Fiber type		PM Panda fiber				
Package dimensions	mm	φ3*54				
Operating temperature	°C	-5~+75				
Storage temperature	°C	-40~+85				

Allow Splitting ratio

Splitting ratio	50	%	±3.0
	40	%	±2.5
	30	%	±2.0
	20	%	±1.5
	10	%	±1.0
	5	%	±0.7
	1	%	±0.3

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

FPMC-①①①①-②-③③-④④④-⑤-⑥-⑦-⑧

①①①①:Wavelength

1550=1550nm
 2000=2000nm
 SSS=Specify

⑤:Package dimensions
 2=φ3.0x54mm
 S=Specify

②:Port type

1=1x2
 2=2x2

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

③③:Beam splitting end
 splitting ratio

01=1%
 05=5%
 SS=Specify

⑦:Length
 H=0.5m
 1= 1.0m
 S=Specify

④④④:Fiber type

001=PM1550
 002=PM1310
 SSS=Specify

⑧:Connector

0=None
 1=FC/UPC
 2=FC/APC
 S=Specify