

PM FBT Coupler 780nm to 1550nm

PM FBT Coupler uses fused taper (FBT) technology. The input signal can be separated or coupled in any proportion with extremely low additional loss, and the polarization with high extinction ratio can be retained. All our fused fiber couplers are bidirectional, which means that all ports can be used as input or output.

SPECIFICATION

Indicator	Unit	Standard Value				
Port		1x2 or 2x2			1x6	
Center Wavelength	nm	780, 850, 980, 1030, 1064, 1310, 1550				
Bandwidth Range	nm	±15				
Additional Loss	dB	0.8	0.6	0.5	0.8*3	Max.
Extinction Ratio	dB	20	20	20	18	Min.
Return Loss	dB	55				Min.
Directionality	dB	50				Min.
Power Handling	W	3				Max.
Tensile Load	N	5				
Fiber Type		PM Panda Fiber				
Operating Temperature	°C	-5 to +70				
Storage Temperature	°C	-40 to +85				
Split Ratio		50/50, 40/60, 30/70, 20/80, 10/90, 5/95, 3/97, 2/98, 1/99				

Note: The above parameters do not include connectors. The standard parameters with connectors will increase the loss by 0.3dB.

ORDERING INFORMATION:

PMOC-A-B-C-D-E-F-G	
A=Wavelength	780, 850, 980, 1030, 1064, 1310, 1450, 1550, Specify
B=Port	12=1x2, 22=2x2, 16=1x6
C=Split Ratio	01=1/99, 05=5/95, 10=10/90, 35=35/65, 50=50/50, SS=Specify
D=Fiber Diameter	B=Bare fiber, 9=900um, loose tube SS=Specify
E=Fiber Length	05=0.5m, 10=1.0m, 50=5.0m, SS=Specify
F=Connector	FA=FC/APC, FP=FC/UPC, SP=SC/UPC, SA=SC/APC, SS=Specify
G=Package	ST=Steel Tube AB=ABS Box