1310nm RC80 1x3 3x3 PM Fiber Fused Coupler

1310nm RC80 1x3, 3x3 Polarization Maintaining (PM) Fused Coupler is built with fused biconical taper (FBT) technology, it can be used in split the optical signal power into three parts with even or various coupling ratio and keep the polarization maintaining, it's widely applied in fiber optic sensor, fiber amplifier system and fiber optic diffraction field.

Application:

Fiber Optic Amplifier
Fiber Optic Sensor
Fiber Laser
Optical Diffraction System

Features:

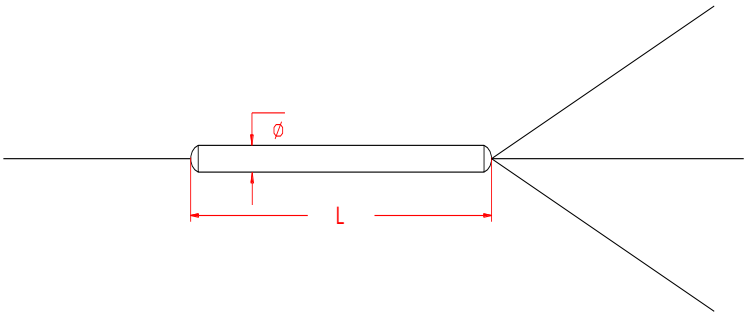
Low Excess Loss
Low Insertion Loss
High Extinction
Ratio

Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	1310	nm
Bandwidth		BW	±20	nm
Max. Excess Loss		EL	0.6	dB
Max. Coupling Ratio Tolerance	5/90/5	CR	5±1.5/90±2.5/5±1.5	%
	10/80/10		10±1.6/80±2.8/10±1.6	%
	15/70/15		15±1.8/70±3.0/15±1.8	%
	20/60/20		20±2.0/60±3.3/20±2.0	%
	25/50/25		25±2.4/50±3.5/25±2.4	%
	30/40/30		30±3.0/40±4.0/30±3.0	%
	33/33/33		33±6.0/33±6.0/33±6.0	%
	40/20/40		40±6.0/20±5.0/40±5.0	%
Min. Extinction Ratio		ER	18	dB
Fiber Type			RC80 PM Panda Fiber	-
Max. Tensil Load			5	N
Max. Optical Power (CW)		P	2	W
Operating Temperature		T	-40~75	℃
Storage Temperature		T	-40~85	℃
Package Dimension			Φ3.0×L35	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, EL will be 0.2dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key.
If need optical power more than 2W CW, please contact us to confirm. Connectors only 1W (Continue Wavelength) optical power guarantee.

Drawing:



Ordering Information (Part Number):

RPMFUC-WWWW-PP-A-RR-J-LL-CC

WWWW	PP	A	RR	J	LL	CC
Wavelength	**Port**	**Working Axis**	**Coupling Ratio**	**Fiber Jacket**	**Fiber Length**	**Connector**
1310 - 1310nm 1480 - 1480nm 1550 - 1550nm	13 - 1x3 33 - 3x3	B - Both Axes Working S - Slow Axis Working F - Fast Axis Working	05 - 5/90/5 10 - 10/80/10 15 - 15/70/15 20 - 20/60/20 25 - 25/50/25 30 - 30/40/30 33 - 33/33/33 40 - 40/20/40 SS - Specify	B - 165um Bare Fiber	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None