

1310nm RC80 1x2 2x2 SM Fiber Fused Coupler

1310nm RC80 1x2, 2x2 SM Fused Coupler is built with fused biconical taper (FBT) technology, optical signal power can be splitted into two parts with even or various coupling ratio by the FBT Coupler, it's widely applied in fiber optic transmission and fiber optic sensor field, the Higher Power type is available upon request.

Application:

Optical Signal Transmission
 Fiber Optic Sensor
 Fiber Amplifier
 Optical Diffraction System

Features:

Low Excess Loss
 High Return Loss
 Low Insertion Loss
 High Reliability

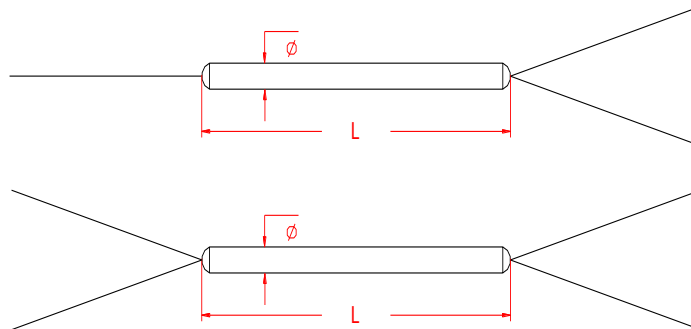


Specification:

Parameter	Symbol	Value	Unit	
Center Wavelength	λ	1310	nm	
Bandwidth	BW	± 15	nm	
Max. Excess Loss	EL	0.3	dB	
Max. Insertion Loss	IL	50/50	3.5/3.5	dB
		40/60	4.5/2.7	dB
		30/70	5.8/2.0	dB
		20/80	7.7/1.25	dB
		10/90	11.25/0.7	dB
		5/95	14.5/0.45	dB
		3/97	16.15/0.3	dB
		2/98	18.5/0.3	dB
1/99	21.5/0.25	dB		
Max. Polarization Dependent Loss	PDL	0.1	dB	
Min. Directivity		50	dB	
Min. Return Loss	RL	50	dB	
Fiber Type		Corning RC 80 SMF Fiber	-	
Max. Tensile Load		5	N	
Max. Optical Power (CW)	P	2	W	
Operating Temperature	T	-40~75	$^{\circ}\text{C}$	
Storage Temperature	T	-40~85	$^{\circ}\text{C}$	
Package Dimension		$\Phi 3.0 \times L35$	mm	

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$.

Drawing:



Ordering Information (Part Number):**RSMFUC-*WWW-PP-RR-J-LL-CC***

WWW	PP	RR	J	LL	CC
Wavelength	Port	Coupling Ratio	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm 1550 - 1550nm 1315 - 1310&1550nm Dual Window	12 - 1x2 22 - 2x2	01 - 1/99 02 - 2/98 03 - 3/97 05 - 5/95 10 - 10/90 20 - 20/80 30 - 30/70 40 - 40/60 50 - 50/50 SS - Specify	B - 165um Bare Fiber	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None