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PHOTONWARES

1x2 / 2x2 62.5/125 Multi-Mode Broadband Fiber Optic Coupler/Splitter

Product Description

The FC Series fiber optic coupler is based on Agiltron's fused biconical taper technology and compact packaging structure. It features good uniformity, low excess loss and very low polarization sensitivity. The device is ideal for splitting or combining light with exceptional performance over a wide wavelength range



Features

- Wavelength Independent
- Low Insertion Loss
- Low PDL
- Highly Stable & Reliable
- Ultra Low Cost

Performance Specifications

FC Series		Premium	Grade A	Premium	Grade A	Unit
Splitting Ratio		5/95 to 50/50				
Central Wavelength		1310/1550/2000		850		nm
Bandwidth		± 20				nm
Excess Loss		0.3	0.5	0.6	1.0	dB
Insertion Loss	50/50	3.5/3.5	3.9/3.9	3.7/3.7	4.7/4.7	dB
	40/60	4.6/2.6	5.0/3.0	4.8/2.8	5.7/3.8	dB
	30/70	5.9/1.9	6.3/2.4	6.0/2.2	7.0/3.0	dB
	20/80	7.8/1.2	8.3/1.7	7.9/1.5	9.0/2.4	dB
	10/90	11.2/0.7	12.0/1.2	11.2/1.1	12.5/1.9	dB
	5/95	15.0/0.5	16.0/0.8	14.0/0.9	16.5/1.5	dB
Uniformity		0.5	0.8	0.5	0.8	dB
Optical Power Handling		5				W
Operating Temperature		-40~85				°C
Storage Temperature		-50~85				°C
Package Dimension *		Bare fiber: (ø)3x(L)54				mm
		900um loose tube: (ø)3x(L)70				
		900um loose tube / 2mm / 3mm Cable:				
		(L)90x(W)16x(H)9				

* Other package options available on request

Applications

- Optical communications
- FTTX
- Local Access Network (LAN)
- Fiberoptic Instrumentation

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Ordering Information

FCM6-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Port	Wavelength	Grade	Package	Splitting Ratio	Fiber Type		Fiber Length	Connector
	1 = 1x2 2 = 2x2	4 = 1550nm 7 = 1310nm A = 850nm P = 2000nm 0 = Special	P = P Grade A = A Grade	1 = 54(L) 2 = 70(L) 3 = 90(L) 0 = Special	3 = 05/95 4 = 10/90 5 = 20/80 6 = 30/70 7 = 40/60 8 = 50/50 0 = Special	1 = 62.5/125um 0 = Special	1 = 250um fiber 2 = 900um tube 3 = 2mm cable 4 = 3mm cable 0 = Special	1 = 0.5m 2 = 0.75m 3 = 1.0m 0 = Special	0 = None 1 = FC/PC 2 = FC/SPC 3 = FC/APC 4 = FC/UPC 5 = SC/SPC 6 = SC/APC 7 = SC/UPC 8 = ST 9 = MU A = LC/PC B = LC/APC C = LC/UPC 0 = Special

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.