



1x4 Fiber Optic Fused Monolithic Coupler

(single mode)

Product Description

This FC Series fiber optic coupler provides monolithically integrated 1x4 function in a compact format. 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 Excess Loss
- Low Polarization Sensitivity
- Highly Stable & Reliable
- Low Cost

Performance Specifications

1x4 M Series Fused Coupler		Parameter		Unit
Coupling Ratio		1/25		
Polarization Dependent Loss		0.15		dB
		Grade P	Grade A	
Bandwidth *		±40	±15	
Excess Loss	1310,1550 nm	≤7.0	≤7.5	dB
	980~1060 nm	≤7.2	≤7.9	
Uniformity		1	1.7	dB
Directivity		> 55		dB
Return Loss		> 55		dB
Optical Power Handling		< 3		W
Operating Temperature		-40~85		°C
Storage Temperature		-50~85		°C
Package Dimension		250um: (D)3x(L)54 Tube		mm
		250um: (D)4x(L)40 Tube		
		900um: (D)4x(L)56 Tube		
		2/3mm Cable: (L)98x(W)16x(H)9 Box		

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Dual Band 1310/1550 available
 Triple Band 1310/1490/1550 available
 Customer window available

Applications

- Telecommunications
- Sensor
- Local Access Network (LAN)
- Fiberoptic Instrumentation

PM Fiber Optic Fused Coupler

Ordering Information

FCSM-	☐	☐	☐	☐	☐	☐	☐	☐	☐
	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type		Configuration	Connector
	1060=1 1310=3 1550=5 980=9 Special=0	Premium=1 Standard=0 Special=0	40(L)=1 54(L)=2 56(L)=3 Box =9 Special=0	1/25 = 1	1x4	250μm=1 900um =3 Special= 0	Panda=1 Special=0	Wide Band =1 Dual Bands = 2 Triple Bands =3	None = 1 FC / PC = 2 FC / APC = 3 SC / PC = 4 SC / APC = 5 ST / PC = 6 LC = 7 Special = 0

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