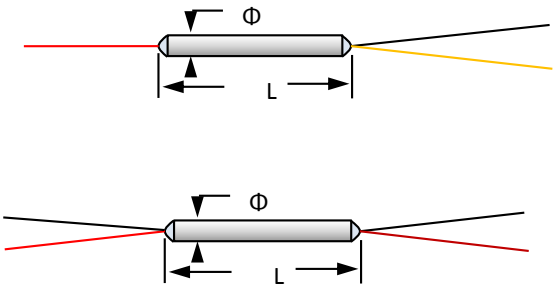
1×2, 2×2 Multi-mode Fiber Optic Coupler 850nm & 1310nm

The 850nm & 1310nm Dual Window 1×2, 2×2 OM3 Multi-mode Fused Fiber Optic Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at various ratios with low insertion loss. 50/125, 62.5/125, OM3 multimode fibers are available.



Features

Low Excess Loss
Broadband
High Reliability & Stability
Various Coupling Ratio

Applications

CATV
Long-haul Telecom
Local Area Network
Fiber Sensor
Lab & Research

Performance Specification

Parameter		Value		Unit
Configuration		1X2, 2X2, or 1XN		
Operating Wavelength		850±40 & 1310±40		nm
Grade		Grade P	Grade A	dB
Max. Excess Loss		0.4	0.7	dB
Max. Insertion Loss	50/50	3.7/3.7	4.0/4.0	dB
	40/60	4.7/2.7	5.0/3.0	dB
	30/70	6.0/2.1	6.3/2.4	dB
	20/80	7.8/1.4	8.1/1.7	dB
	10/90	11.2/0.9	11.6/1.2	dB
	5/95	14.5/0.7	15.0/1.0	dB
	2/98	18.6/0.6	19.4/0.9	dB
	1/99	22.0/0.5	22.8/0.8	dB
Max. Uniformity (50/50)		0.5	0.8	dB
Min. Directivity		40		dB
Fiber Type		50/125um, 62.5/125um, OM3 Multi-mode Fiber		
Operating Temperature		-40 to +80		℃
Storage Temperature		-50 to +85		℃
Package Dimension		Φ3.0×L40 for bare fiber, Φ3.0×L54 for 900um loose tube		mm

Note

** Above specifications are for device without connectors.*
** Specifications may change without notice.*

Ordering Information

MMC-AAA-BB-CC-DD-E-FF-GG

AAA	BB	CC	DD	E	FF	GG
Wavelength	Port	Coupling Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
8513 - 850&1310nm SSSS - Specify	12 - 1X2 22 - 2X2 SS - Specify	01 - 01/99 02 - 02/98 04 - 04/96 05 - 05/95 10 - 10/90 20 - 20/80 30 - 30/70 50 - 50/50 SS - Specify	50 - 50/125um Fiber 62 - 62.5/125um Fiber OM - OM3 Fiber SS - Specify	B - 250um Bare Tube L - 900um Loose Tube C - 3.0mm Cable	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify

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