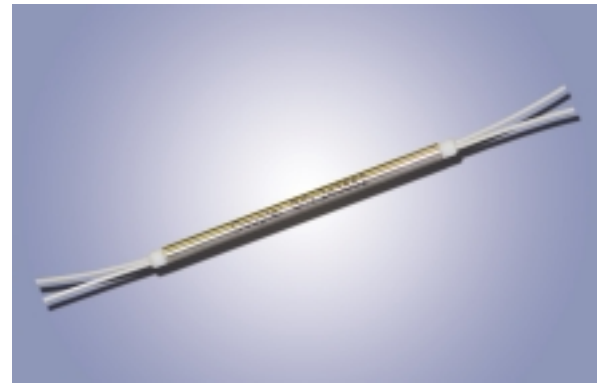




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Multimode Couplers

Multimode Couplers are used to distribute or combine optical signals in optical fibers. These multimode couplers are manufactured using fused biconical taper technology. They are highly stable and have low insertion loss, low polarization sensitivity and excellent uniformity.



Applications

- Long Haul Telecommunications
- Test Equipments
- CATV Systems
- Fiber Optic Sensors
- Network Monitoring
- LAN, WAN Systems
- Subscribers Loops

Features

- Ultra Low Insertion Loss
- Ultra Low Polarization Sensitivity
- Dual-Window
- Various Coupling Ratio
- Wide Bandwidth
- Environmentally Stable
- Excellent Uniformity



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SPECIFICATIONS

Multimode Coupler (50/125µm & 62.5/125µm Fiber)

Parameter	Values	Units
Operating Wavelength	600~1600	nm
Center Wavelength	850 or 1310	nm
Configuration	1x2 or 2x2	--
Coupling Ratio	50/50, others on request	--
Excess Loss	0.55 (Max 0.8)	dB
Typ. Insertion Loss	3.6	dB
Max. Insertion Loss	3.9	dB
Uniformity	< 0.6	dB
Directivity	> 40	dB
Fiber Type	Multimode 62.5/125 or 50/125	--
Operating Temperature	-20 to +70	°C

*Above specifications are for device without connectors.

Multimode Coupler (Large Core 200/230µm Fiber)

Parameter	Values	Units
Operating Wavelength	500 to 1600	nm
Center Wavelength	850 or 1310	nm
Configuration	1x2 or 2x2	--
Coupling Ratio	50/50 (Tolerance: +/-3)	--
Excess Loss	< 1.0	dB
Directivity	> 35	dB
Fiber Type	Multimode 200/230µm	--
Operating Temperature	-25 to +60	°C
Storage Temperature	-40 to +70	°C
Dimension	Ø4.0 x 70	mm

*Above specifications are for device without connectors.

ORDERING CODES

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Wavelength	Code
850 nm	085
1310 nm	131
others	XX

Lead Types and Package Dimensions		Code
250 µm bare fiber	Ø3.0mm x48mm	25
900 µm loose tube	A: Ø3.5mm x 66mm	90A
	B: 90mm x 16mm x 9 mm	90B
3 mm loose cable	B: 90mm x 16mm x 9mm	3B
	C:106mm x 79mm x 10mm	3C

Port	Code
1 x 2	12
2 x 2	22

Coupling Ratio	Code
50/50	50
others	XX

Connector Type	Code
no connectors	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
LC/PC	LP
MU/PC	MP
Others	XX

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