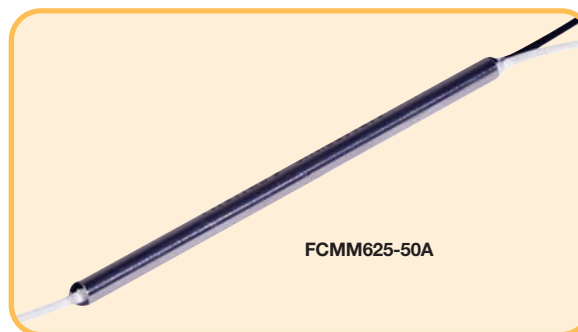


1 x 2 Multimode Couplers

Thorlabs offers a selection of 1 x 2 multimode (MM) fiber couplers, manufactured using industry standard 50/125 μm graded-index and 62.5/125 μm graded-index fibers. These couplers offer low insertion loss and excellent environmental

and mechanical stability. They are stocked with and without 2.0 mm narrow key FC/PC connectors. Other connector styles are available as a custom request; please contact tech support for a quote. Each coupler is bidirectional.

PARAMETER	FCMM50	FCMM625
Fiber	50/125 μm Graded Index	62.5/125 μm Graded Index
Center Wavelength	850 \pm 40 nm	
Coupling Ratio	50:50 90:10 99:1	
Insertion Loss	4.0/4.0 dB (50:50) 12.0/1.5 dB (90:10) 22.8/0.8 dB (99:1)	
Directivity	>35 dB	
Ports	1 x 2	
Operating Temperature	-40 to 85 $^{\circ}\text{C}$ 20 to 70 $^{\circ}\text{C}$ (with connectors)	



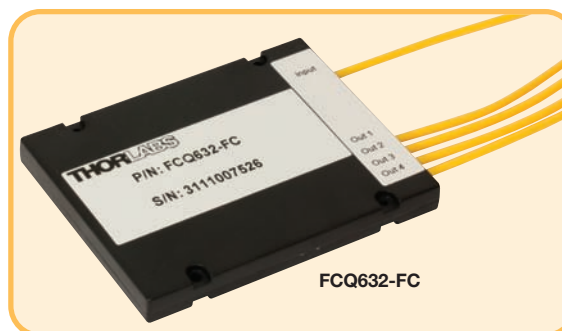
ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
FCMM50-50A	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	None	1 x 2, 50/125 μm MM Fiber Coupler, 50:50
FCMM50-50A-FC	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	FC/PC	1 x 2, 50/125 μm MM Fiber Coupler, 50:50, FC/PC
FCMM50-90A	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	None	1 x 2, 50/125 μm MM Fiber Coupler, 90:10
FCMM50-90A-FC	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	FC/PC	1 x 2, 50/125 μm MM Fiber Coupler, 90:10, FC/PC
FCMM50-99A	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	None	1 x 2, 50/125 μm MM Fiber Coupler, 99:1
FCMM50-99A-FC	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	FC/PC	1 x 2, 50/125 μm MM Fiber Coupler, 99:1, FC/PC
FCMM625-50A	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	None	1 x 2, 62.5/125 μm MM Fiber Coupler, 50:50
FCMM625-50A-FC	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	FC/PC	1 x 2, 62.5/125 μm MM Fiber Coupler, 50:50, FC/PC
FCMM625-90A	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	None	1 x 2, 62.5/125 μm MM Fiber Coupler, 90:10
FCMM625-90A-FC	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	FC/PC	1 x 2, 62.5/125 μm MM Fiber Coupler, 90:10, FC/PC
FCMM625-99A	\$ 82.00	£ 59.04	€ 71.34	¥ 653.54	None	1 x 2, 62.5/125 μm MM Fiber Coupler, 99:1
FCMM625-99A-FC	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	FC/PC	1 x 2, 62.5/125 μm MM Fiber Coupler, 99:1, FC/PC

1 x 4 Single Mode Fiber Couplers

Thorlabs offers single mode 1 x 4 fiber couplers with center wavelengths of 632, 1064, and 1310/1550 nm. These couplers evenly split the input light, resulting in a 25:25:25:25 split ratio with a \pm 1.5% tolerance on each leg. Our advanced design allows the couplers to have low excess loss. Each coupler features 2.0 mm narrow key FC/PC or FC/APC connectors.

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PARAMETER	FCQ632	FCQ1064	FCQ1315
Center Wavelength	632 nm	1064 nm	1310/1550 nm
Bandwidth	\pm 15 nm	\pm 15 nm	\pm 40 nm
Coupling Ratio	25:25:25:25	25:25:25:25	25:25:25:25
Insertion Loss	8.5 dB	7.2 dB	6.2 dB
Excess Loss (Typical)	1.2 dB	0.35 dB	0.15 dB
PDL	<0.3 dB	<0.3 dB	<0.3 dB
Operating Temp.	-40 to 85 $^{\circ}\text{C}$	-40 to 85 $^{\circ}\text{C}$	-40 to 85 $^{\circ}\text{C}$
Fiber Type	SM600 or Equivalent	HI1060 FLEX	SMF-28e+
Fiber Length	0.8 m		
Connectors	FC/PC or FC/APC		
Package Dimensions	100 mm x 80 mm x 10 mm		
Mounting	4x M2 (2.835" x 2.5")		



ITEM #	\$	£	€	RMB	CONNECTORS	DESCRIPTION
FCQ632-FC	\$ 490.00	£ 352.80	€ 426.30	¥ 3,905.30	FC/PC	1 x 4 Single Mode Fiber Coupler, 632 nm, FC/PC
FCQ632-APC	\$ 540.00	£ 388.80	€ 469.80	¥ 4,303.80	FC/APC	1 x 4 Single Mode Fiber Coupler, 632 nm, FC/APC
FCQ1064-FC	\$ 410.00	£ 295.20	€ 356.70	¥ 3,267.70	FC/PC	1 x 4 Single Mode Fiber Coupler, 1064 nm, FC/PC
FCQ1064-APC	\$ 460.00	£ 331.20	€ 400.20	¥ 3,666.20	FC/APC	1 x 4 Single Mode Fiber Coupler, 1064 nm, FC/APC
FCQ1315-FC	\$ 199.00	£ 143.28	€ 173.13	¥ 1,586.03	FC/PC	1 x 4 Single Mode Fiber Coupler, 1310/1550 nm, FC/PC
FCQ1315-APC	\$ 249.00	£ 179.28	€ 216.63	¥ 1,984.53	FC/APC	1 x 4 Single Mode Fiber Coupler, 1310/1550 nm, FC/APC