



Multimode Fused Couplers

The KSI Multimode Fused Coupler offers superior performance and long term reliability. Couplers are available in both 1x2 and 2x2 port configurations in a tubular or ruggedized aluminum package.

Standard Multimode Couplers are fabricated from graded index fibers with 50um or 62.5um fiber types.

Large Core Couplers are manufactured from a variety of fibers with 100um, 200um, 400um core sizes. They are widely used in laser power delivery, sensor technology and laboratory test and measurement applications.



Specifications:

Standard & Large Core Coupler

Coupling Ratio		1/99 to 50/50
Operating Wavelength	nm	400nm to 1300nm
Insertion Loss	dB	<3.6 dB at 850nm (50/50 ratio)
Uniformity	dB	0.6 dB
Directivity	dB	>40 dB
Thermal Stability	dB	<0.2 dB
Temperature Range	Celsius	-40°C to +85°C

Ordering Information:

Product ID Fiber Type Configuration Ratio Connector Packaging

MMC - **020** - **1** - **10** - **001** - **02**

020 = 50/125
040 = 62.5/125
060 = 100/125
080 = 200/230
100 = 400/430

1 = 1x2
2 = 2x2

01 = 1%
10 = 10%
20 = 20%
30 = 30%
40 = 40%
50 = 50%

000 = None
001 = ST
010 = SC
030 = FC

01 = 250um 3mm tube
02 = 900um 4mm tube
03 = 900um ruggedized
04 = 2mm ruggedized
05 = 3mm ruggedized