

FIBER OPTIC COUPLERS & SPLITTERS

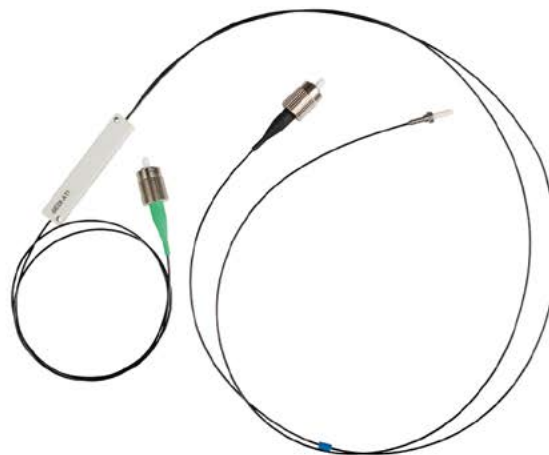
CP-A 1x2 Multimode Achromatic Fiber Optic Couplers

SEDI-ATI's Multimode Achromatic Fiber Optic Couplers are manufactured using a proprietary process based on a wavefront division technology. This unique manufacturing method intrinsically ensures our couplers are highly mode insensitive and achromatic.

Our bi-directional couplers thus show a very high stability in coupling ratio over a very broad wavelength range and over modal fluctuation.

The CP-A couplers have been designed for applications where wideband and achromaticity are required. They can be made with any Graded Index fiber types such as GI50/125 μm or GI62.5/125 μm . We can also offer GI100/140 μm upon request.

Please contact us to discuss your specific requirements as our multimode achromatic fiber-optic couplers can be customized with different coupling ratios, different fiber lengths, and even 2x2 configurations.



As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.
DTSCPA October 2020

KEY FEATURES

- GI50/125 or GI62.5/125 fibers
- Wavelength insensitive
- Mode insensitivity
- Bi-directional
- Stable coupling ratio
- Low insertion loss
- Custom configurations available

APPLICATIONS

- Datacom
- Sensors

QUALITY

- ISO 9001:2015

CP-A

1x2 Multimode Achromatic Fiber Optic Couplers

FIBER OPTIC COUPLERS & SPLITTERS

STANDARD PRODUCT SPECIFICATIONS

Parameters	CP-A
Port configuration	1x2
Fiber length	1 m on each port
Coupling ratio	50/50; other coupling ratios from 5/95 to 50/50
Fiber type	GI50/125 or GI62.5/125 fibers
Directivity	> 30 dB; guaranteed by design
Uniformity	< 1 dB
Insertion loss	< 4 dB; measured in a 50/50 configuration
Operating wavelength range	532-1625 nm; depending on fiber type
Operating temperature range	-20°C to +70°C
Storage temperature range	-40°C to +85°C
Connector type	see our list of connectors DOCLC
Housing	see our list of packages and cables DOCLP

The specifications are given for non-connectorized products, measured with a 850nm steady state LED. Please note that the values can vary substantially according to the customer's measurement bench set up (light source, detector...).

ORDERING INFORMATION

Order code

CP	-	A	-	-	-	12	-	-	1	-
		fiber type GI50 : GI 50/125/250 GI62 : GI 62.5/125/250				connector type connector code according to our list of connectors DOCLC				
						coupling ratio 50 : 50/50 90 : 90/10 etc.		package style package code according to our list of packages DOCLP		

Example : CP-A-GI50-50-12-08-1-FC

(Achromatic fiber optic coupler with 1 m long GI50/125 fibers on each port, a 50% coupling ratio, in the 45x8x7 mm housing with 900 µm loose tubes and FC/PC connectors)

As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.

DTSCPA October 2020