

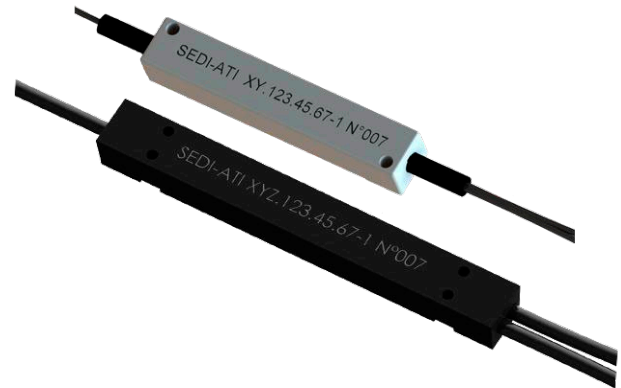
“HD” High Directivity Multimode Couplers



Description:

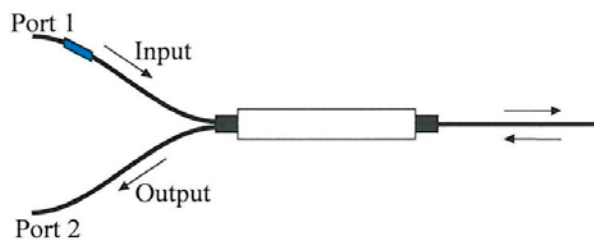
Specific coupler for sensor applications where the directivity is the most important characteristic.

These couplers can be used at all wavelengths guided by the fibre with almost no change in coupling ratio. Due to the technology based on wave front division, they are only slightly sensitive to modal injection.



Technical Specifications :

		Comments
Wavelengths	532 to 1625nm	Other on request
Fiber type	GI50/125 & GI62,5/125, LCH105/125	Other on request
Port configuration	1x2	-
Coupling ratio	50/50	Best ratio for this application with our technology
Directivity	> 55 dB	Fiber GI50/125
	> 45 dB	Fiber GI62,5/125
Insertion loss	< 3,7 dB	In round trip configuration (Port 1 to Port 2) : ILoss < 6,5 dB (can be lower than 6 dB if not used at fully filled stage)
Uniformity	< 0,7 dB	-
Temperature range	operating : -20°C / +70°C	-
	Storage : -40°C / +85°C	-
Packages	08 : 45x7x8 mm	Black loose tube 900µm
	43 : 80x10x8 mm	Black jacket 2,8mm



Applications:

- Sensor
- Instrumentation

Product made to be used in round trip configuration. Fibers are protected with black loose tube 900µm in order to avoid noise by external light. One port is dedicated for injection and it is identified by a blue marking.

References: CP-HD-fiber-50-12-package