

Features

These bidirectional fiber-optic PLC couplers are based on the planar waveguide technology. They are designed for use in a large wavelength range. They exhibit particularly low sensitivity to changes in modal distributions.

Applications

- mobile platforms (e.g. locomotive)
- energy distribution systems
- traffic management systems
- measuring and test equipments



Specifications

number of ports	2 x 2	4 x 4	5 x 5	8 x 8	4 x 16
Optics					
- fiber type	multimode stepindex HCS				
- core / cladding diameter	200/230/500 μm				
- numerical aperture	0.37				
- wavelength range	560 nm – 1100 nm				
- typical insertion loss (IL)	5.5 dB	8.5.0 dB	9.5 dB	12.5 dB	16.5 dB
- typical directivity	>21 dB	>21 dB	>21 dB	>21 dB	>21 dB
Mechanics					
- standard pigtail type	bare fiber / 2.7 mm cable				
- standard pigtail length	2 m (in- and output ports)				
- operating temperature	- 20°C to 65°C				
- storage temperature	- 20°C to 85°C				
- housings (ref to data sheet)	B701 / B125 / splicing enclosure				
- without connector	available on custom specific demand				

- special tree couplers are available on custom specific demand
- silica – silica fiber type are available on custom specific demand e.g. 200/220 μm or 200/240 μm NA 0.22

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