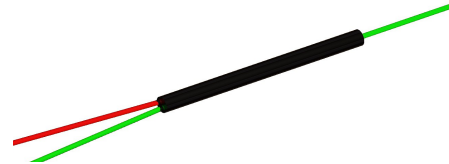


Features

These low-loss bidirectional fiber-optic tree couplers are based on graded-index (GRIN) lenses. They are designed for use in either the 850 nm or 1300 nm window and are available in housings which can be mounted in to standard splicing enclosures.

Applications

- industrial and medical sensor application
- automation and process control
- traffic management systems
- measuring and test equipments



Specifications

number of ports	1 x 2 *	1 x 4	1 x 8
Optics			
- fiber type	multimode graded-index		
- core / cladding diameter	50/125 μm / 62.5/125μm / 100/140μm		
- numerical aperture	50μm = 0.20 / 62.5μm = 0.27 / 100μm = 0.29		
- wavelength range	780 nm - 900 or 1260 nm - 1360 nm		
- typical insertion loss (IL)	3.5 dB	7.0 dB	10.5 dB
- typical directivity	>21 dB	>21 dB	>21 dB
Mechanics			
- standard pigtail type	bare fiber / 0.9 mm loose tube / 2.7 mm cable		
- standard pigtail length	2 m (in- and output ports)		
- operating temperature	- 20°C to 85°C		
- storage temperature	- 30°C to 90°C		
- housings (ref to data sheet)	A40 / B701 / splicing enclosure		
- without connector	available on custom specific demand		

* different splitting ratios are available from 50% : 50% up to 90% : 10% in steps of 10%
 - special tree couplers are available on custom specific demand

231.0100.2.0002 / 10.13/PM subjects to change without notice