



FEATURES

- Very low insertion loss
- Broad operation
- Low PDL
- Excellent Uniformity
- High Reliability and Stability
- Passed Telcordia GR-1209-CORE and GR-1221-CORE
- Compact Package
- RoHS Compliance

Today's high-port-count applications for broadband system applications demand the best performance and the highest reliability under the most adverse of environments. Planar Lightwave Circuit Splitters deliver on all these requirements. FIS provides a variety of PLC's pre-terminated with SC/UPC, SC/APC or the connector of choice.

SPECIFICATIONS

Type	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64
Operating Wavelength	1260nm - 1650nm				
Insertion Loss (dB) MAX (P/S)	7.0/7.5	10.5/11	13.5/14	16.5/17	21/21.5
Uniformity (dB) MAX (P/S)	0.5		1.0		1.7/1.9
Return Loss MIN (P/S)	50/55				
Loss (dB) MAX (P/S)	0.3/0.1	0.3/0.1	0.3/0.15	0.3/0.2	0.25/0.35
Directivity MIN (P/S)	55				
Pigtail Length (m)	1.2 (± 0.1) or Customer Specified				
Fiber Type	SMF-28e or Customer Specified				
Wavelength Dependent Loss (dB)	1.0				
Temperature Stability (-40~85°C) (dB)	0.5	0.5	0.8	1.0	1.0
Operation Temperature	-40~85°C				
Storage Temperature	-40~85°C				
Packaging Size (mm)	250um	40mm L x 4mm W x 4mm H		50mm L x 4mm W x 7mm H	60mm L x 4mm W x 12mm H
	900um	40mm L x 7mm W x 4mm H		50mm L x 7mm W x 7mm H	60mm L x 4mm W x 12mm H