

1xN Optical Power Splitter/Combiner

Our high performance 1xN Splitters/Combiners with very low insertion loss, low PDL, and high port to port uniformity are among the best on the market. They also offer excellent flat wavelength operation and minimum back-reflection.

The Splitters/Combiners are pigtailed with ribbons of single mode fibers and packaged in compact, robust housing. They can be connectorized and installed in rackable boxes upon request. Our Splitters/Combiners are also available as bare chips.

All of our products are made using Teem's proprietary planar platform technology.

- Key Strengths**
- Very low insertion loss
 - Very low PDL
 - Broadband operation
 - High channel uniformity



Performance of the packaged components

	Grade	1 x 4	1 x 8	1 x 16	1 x 32
Operation wavelength		1,26 -1,65 μm			
Max. insertion loss ⁽¹⁾ (dB)	Standard	7.2	10.8	14.3	18
	Best	6.6	10	13.5	17
Uniformity ⁽²⁾ (dB)	Standard	≤ 0.6	≤ 0.8	≤ 1.2	≤ 1.5
	Best	≤ 0.4	≤ 0.5	≤ 0.8	≤ 1
Max. PDL (dB)		≤ 0.05	≤ 0.08	≤ 0.1	≤ 0.15
Return loss (dB)		≥ 55	≥ 55	≥ 55	≥ 55
Directivity (dB)		≥ 55	≥ 55	≥ 55	≥ 55
Fiber type		SMF 28			
Package dimensions (l x w x h) mm ³		70 x 8 x 8	70 x 8 x 8	70 x 10 x 8	70 x 16 x 8

(1) Without connectors

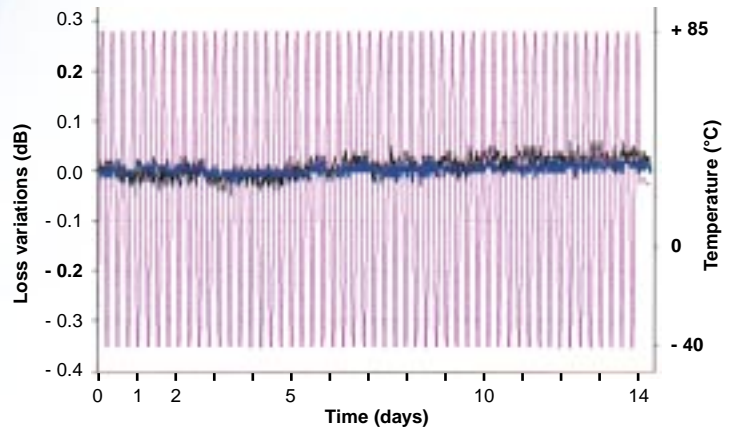
(2) Loss difference between maximum and minimum output ports irrespective of the wavelength

Applications

- CATV
- LAN - PON
- Fiber optic equipment system
- Custom applications

Environmental Testing

designed for Telcordia GR-1209 and GR-1221.



Order Code

reference:

S - 1xN - M - F - B - 00

Design
S: Standard
C: Custom

Grade
M: Best performance
S: Standard performance
N: Number of ports

Pigtailing
N: Bare
F: Pigtailed
F900: 900 μ m tubing

Packaging
O: no housing
B: Aluminum housing
R: Rack mounted

Connectors
00: no
10: FC/PC
11: FC/APC
30: ST
40: SC
41: SC/APC
60: E2000
99: others

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