

1x2(2x2) Single-Mode Single-Window Wideband Fused Splitter

Product Description

Marchan Fused Splitter provides high performance, reliability and compact in size. It's qualified by industry standard test procedures and can be customized designed to meet specified feature applications.



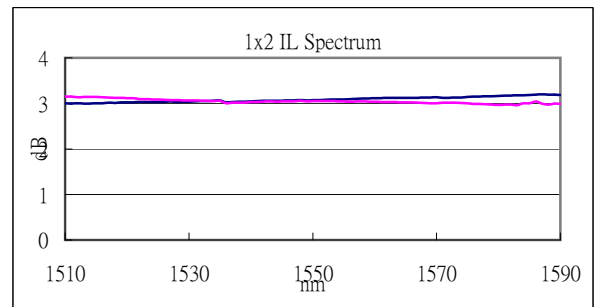
Product Features

- Low Insertion Loss, PDL
- Compact Package
- High Reliability (meet GR-1209,GR-1221)
- RoHS Compliant

Applications

- PON network
- CATV Network
- Power Distribution
- FTTx
- Test Equipment
- Telecommunication

Spectrum Chart



Product Specifications

Parameters	Unit	Specifications (split ratio: 50/50)	
Grade		Premium	Standard
Operating Wavelength	nm	1310±40 or 1550±40	
Operating Temperature	°C	-40 ~ 85 * ¹	
Insertion Loss (Max.) * ²	dB	3.5	3.8
Uniformity (Max.)	dB	0.7	1.2
PDL (Max.)	dB	0.15	0.2
Return Loss (Min.)	dB	50	

*¹ -20°C to 70°C for 0.9mm/2.0mm/3.0mm cable

*² Values are reference without connector loss, IL max. add 0.3 dB per connector.

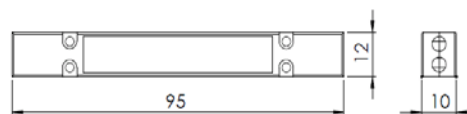
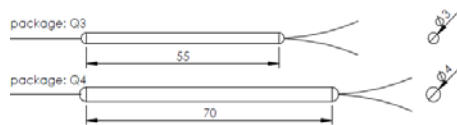
Split Ratio	Premium		Standard	
	Ilmax(dB)	PDLmax(dB)	Ilmax(dB)	PDLmax(dB)
50/50	3.5/3.5	0.15	3.8/3.8	0.2
55/45	3.3/3.9		3.4/4.5	
60/40	2.7/4.7		2.9/5.0	
65/35	2.2/5.0	0.2	2.5/5.7	0.2
70/30	1.9/6.0		2.1/6.4	
75/25	1.6/6.5	0.3	1.8/7.5	0.3
80/20	1.2/7.8		1.5/8.5	
85/15	1.0/8.8		1.2/10.6	
90/10	0.6/11.3		0.8/12.7	
95/05	0.4/15.2	0.35	0.5/18.9	0.35
97/03	0.4/18.2		0.4/19.5	
98/02	0.3/19.8		0.4/21.0	
99/01	0.3/23.5		0.4/24.0	

Ordering Information

Fiber Type	1 : corning SMF-28e 2 : G657A									
Structure	A02 : 1x2 B02 : 2x2									
Operating Wavelength	13 : 1310 ± 40 nm 15 : 1550 ± 40 nm									
Coupling Ratio	00 : even ratio XX : customer specify									
Grade	P : premium grade S : standard grade									
Package	Q3 : φ3×55 mm (only for bare fiber) M1 : 95×12×10 mm (only for 0.9 mm tube, 2.0 and 3.0 mm PVC cable)									
Tubing	B : bare fiber L : 0.9 mm loose tube 2 : 2.0 mm PVC cable 3 : 3.0 mm PVC cable									
Tail Length*3	ab : a.b m 10 : 1.0 m 15 : 1.5 m									
Input / Output Connectors	00 : none FC : FC/PC SC : SC/PC LC : LC/PC FU : FC/UPC SU : SC/UPC LU : LC/UPC FA : FC/APC SA : SC/APC XX : customer specify									

*3 Tail length tolerance: 0~+10 cm

Dimension Diagram



Unit: mm
package type : M1