

1x2(2x2) Single-Mode Dual-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.



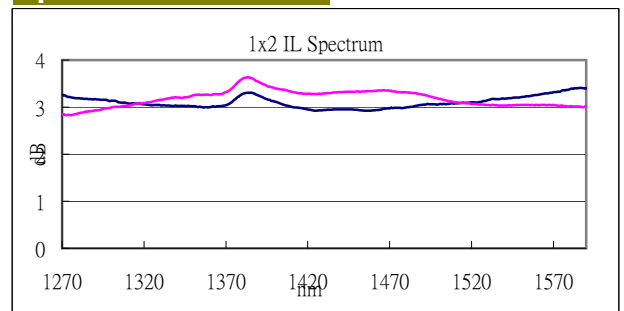
Product Features

- 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

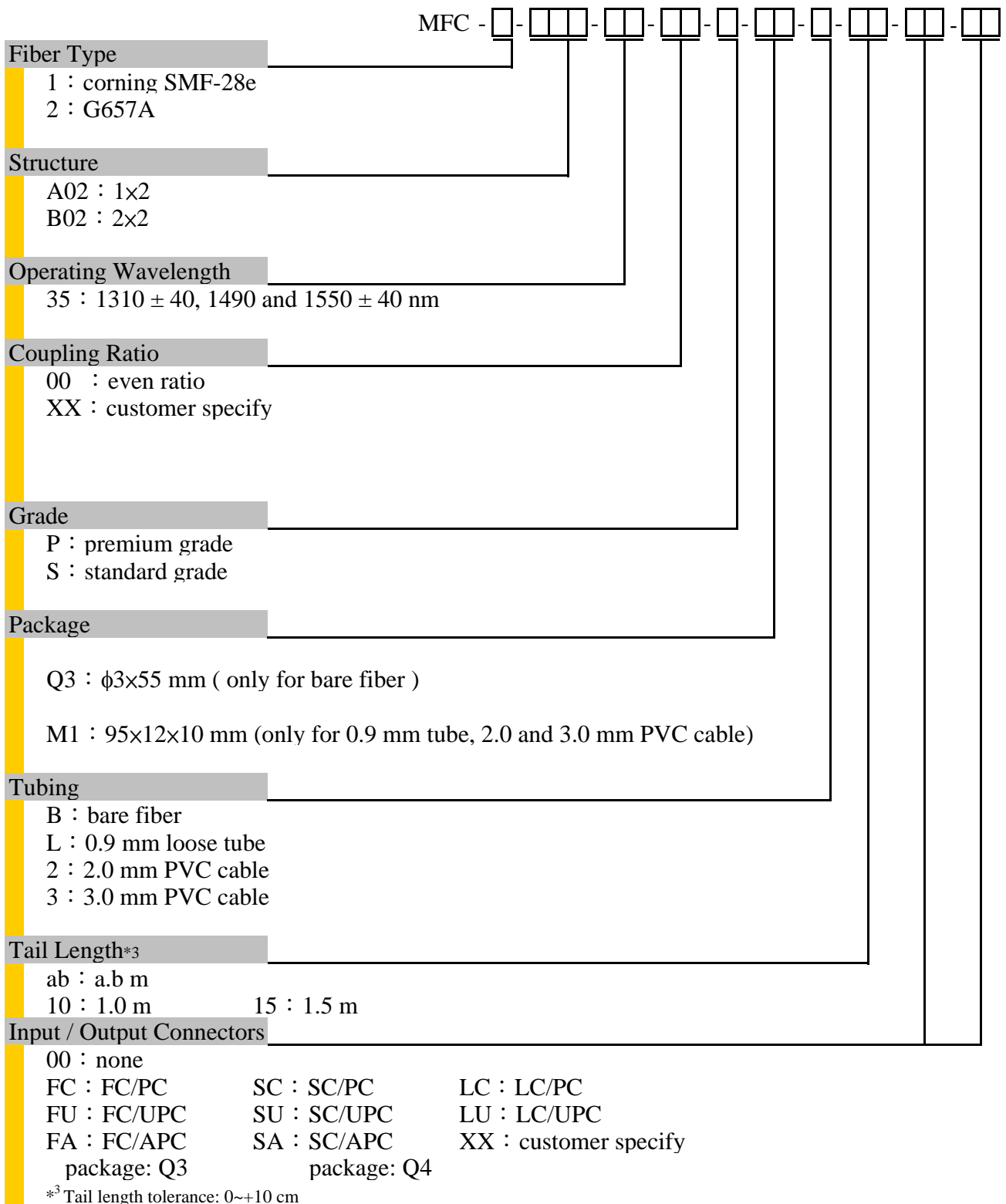
Parameters	Unit	Specifications (split ratio: 50/50)	
		Premium	Standard
Grade		Premium	Standard
Operating Wavelength	nm	1310±40, 1490 and 1550±40	
Operating Temperature	°C	-40 ~ 85 * ¹	
Insertion Loss (Max.) * ²	dB	3.6	3.9
Uniformity (Max.)	dB	0.7	1.2
PDL (Max.)	dB	0.15	0.2
Return Loss (Min.)	dB	50	

*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	3.6/3.6	0.15	3.9/3.9	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



Dimension Diagram



Unit: mm
package type : M1