

SFMx -S13-01xX

SFMx -S85-01xX

Multimode Couplers/Splitters

Description:

Multimode Couplers/Splitters are ultra reliable devices featuring low backreflection, low insertion loss, and high port isolation over wide ranges of temperature and wavelength. The Multimode Couplers/Splitters are designed to divide and/or combine different optical signals in optical fiber systems. With its innovative Fused Technology process, series SFM Couplers/Splitters have proven to provide exceptional characteristics for all applications demanding critical performance. The splitting ratio can be customer specified to meet your needs. Available in a wide variety of packaging configurations, these SFM series are operable in 850 nm and 1300 nm wavelength range. Various types of pigtailed and connector terminations are available to meet your requirements.

Features:

- Low insertion loss
- High port isolation
- Custom defined specifications
- Environmentally stable



Applications:

- Telecommunications
- Local area network
- Fiber to the home
- Video transmission
- Fiber optic sensing
- Testing instruments

Performance specifications:

ITEM			
Operating Wavelength, nm	800 and 1300		
Port Configuration	1 x 4	1 x 8	1 x 16
Grade	Super (S)	Super (S)	Super (S)
Insertion Loss, dB	7.8	11.7	15.6
Coupling Ratio Tolerance (%)	7	7	7
Uniformity, dB (50:50)	1,4	2,8	3,6
Directivity, dB	> 40		
Operating Temperature ¹ , °C	-25 to +70		
Storage Temperature ¹ , °C	-40 to +85		

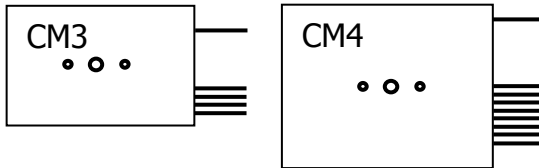
1) Conditioned by the cable type

Ordering Code:

SFMX	XXX	01 x N	XX	XXX	NC-NC											
SFM5	MM 50/125	<table border="1"> <thead> <tr> <th># port</th> <th>ratio²</th> <th></th> </tr> </thead> <tbody> <tr> <td>01 x 04</td> <td>25</td> <td>01 x 04</td> </tr> <tr> <td>01 x 08</td> <td>12</td> <td>01 x 08</td> </tr> <tr> <td>01 x 16</td> <td>06</td> <td>01 x 16</td> </tr> </tbody> </table>	# port	ratio ²		01 x 04	25	01 x 04	01 x 08	12	01 x 08	01 x 16	06	01 x 16	<p>2) other on request</p>	<p>no input and output connectors connector type: -can be defined according to CON_14-01 (Jumper Ordering Code)</p> <p>Note: standard fiber/cable length = 1 m</p>
# port	ratio ²															
01 x 04	25		01 x 04													
01 x 08	12	01 x 08														
01 x 16	06	01 x 16														
SFM6	MM 62.5/125															
<p>grade + wavelength (S – super grade)</p> <p>S85 850 nm</p> <p>S13 1300 nm</p>																
<p>packaging port configuration</p> <p>CM3, FM3 01X04</p> <p>CM4, FM4 01X08</p> <p>CM5 01x16</p> <p>CAPM 01X04, 01X06</p> <p>SC, RM, WM up to 01x16</p>		<p>package option I</p> <p>FM3 Fiber type, metal box 100x80x10 mm</p> <p>CM3 Cable type, metal box 100x80x10 mm</p> <p>FM4 Fiber type, metal box 140x110x10 mm</p> <p>CM4 Cable type, metal box 140x110x10 mm</p> <p>CM5 Cable type, metal box 140x110x20 mm</p> <p>package option II</p> <p>CAPM OPTOKON cassette</p> <p>SC Splice cassette (TC251S-1X)</p> <p>RM Rack mounted unit (MCNP-1U)³</p> <p>WM Wall mounted box (MPIC-4)³</p>														

3) including CM3 – CM5 box or splice cassette

CM, FM packaging option:



SFM6-S85-01x08-12-CM4-SC