

FSM Series

Fiber Optic Coupler/ Splitter Modules

Singlemode Wideband
Couplers/Splitters

LGX Compatible

Bidirectional FBT (Fused Bionic
Tapered) Technology

Used in CATV, FTTX, Power
Splitting, Signal Monitoring
Applications

Meets Telcordia GR-1209
and GR-1221



FSM Series are singlemode wideband couplers/splitters and are passive optical assemblies that split and combine signals in fiber networks. The LGX compatible module design provides a plug in style robust method for integration in the network. Coupler components are based on the bidirectional FBT (fused biconic tapered) technology.

KEY PRODUCT BENEFITS

- ▶ FTB coupler technology
- ▶ LGX compatible
- ▶ 100% visual and optical performance tested
- ▶ Serialized test reports
- ▶ Meets GR1209 and GR1221 Telcordia standards
- ▶ Powder coat black or central office white
- ▶ Made in the USA

INDUSTRY STANDARDS

- ▶ Telcordia GR-1209 and GR-1221



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FSM Series

SPECIFICATIONS

Singlemode Wideband Dual Wavelength	1310/1550nm +- 40nm
Low Insertion Loss	Max 4.0 dB per 50:50 split
Low PDL	0.20 dB per 50:50 split
Back Reflection dB) Singlemode	-55 UPC / -65 APC
Operating Temperature	-20 to +70 deg C

ORDERING INFORMATION

FSM	—	X	X	XX	XX	X
		Inputs	Outputs	Ratio	Connector	Color
		1	1	00 = Symmetrical	FC - FC	B = Black
		2	2	<u>Asymmetrical</u>	FA - FC APC	W = CO White
			3	05 = 5/95**	SC - SC	
			4	10 = 10/90**	SA - SC APC	
			5*	15 = 15/85**	ST - ST	
				20 = 20/80**		
				25 = 25/75**		
				30 = 30/70**		
				35 = 35/65**		
				40 = 40/60**		
				45 = 45/55**		

*For 1x5 only

** For 1x2 only