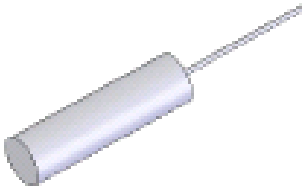
Specification

Faraday Rotator Mirror (FRM)



Universal Microelectronics
Photonics Division

2012

Head Office: 3, 27th Rd., Taichung Industrial Park Taichung, (40850) Taiwan
China Factory: Hao Ye Rd., Tong Fu Yu Industrial Park, Fu Yong Town, Baoan, Shenzhen, China
Tel: +86-755-27335666 Fax: +86-755-27335888
Website: www.umec.com.tw E-mail: photonics@ umec.com.tw

Faraday Rotator Mirror *(FRM)*

Features

- Mini Size
- Low Insertion Loss
- Wide Operating Wavelength Range
- Epoxy Free on Optical Path
- High Stability and Reliability

Applications

- Fiber-optic sensor applications
- Magnetic field sensing
- Eliminates polarization fringe fading
- Enables double pass operation in EDFA's
- Compensates for State-of-Polarization changes

Product Performance

Parameters		Unit	Values	
Center Wavelength		nm	1310 or 1480 or 1550 or 1610	
Operating Wavelength Range		nm	±15	
Pass Band Insertion Loss	Typ.	dB	0.3	0.4
	Max.		0.6	0.8
Rotation Angle		degree	90 ± 1	
Max. PDL		dB	0.1	
Fiber Type		/	SMF-28e or XB	OFS Accutether DS
Max. Power Handling		mW	≤ 300	
Operation Temperature		℃	-5 to 70	
Storage Temperature		℃	-40 to 85	

- All values specified are without connectors.
- The maximum connector loss is 0.3dB for a pair.
- Special dimension is available.

Mechanical Outline

Package type	Housing type	Dimension
Type N	Steel Tube	4.0mm(Ø) x 16.8mm (L)
Type M	Steel Tube	2.9mm(Ø) x 10.0mm (L)

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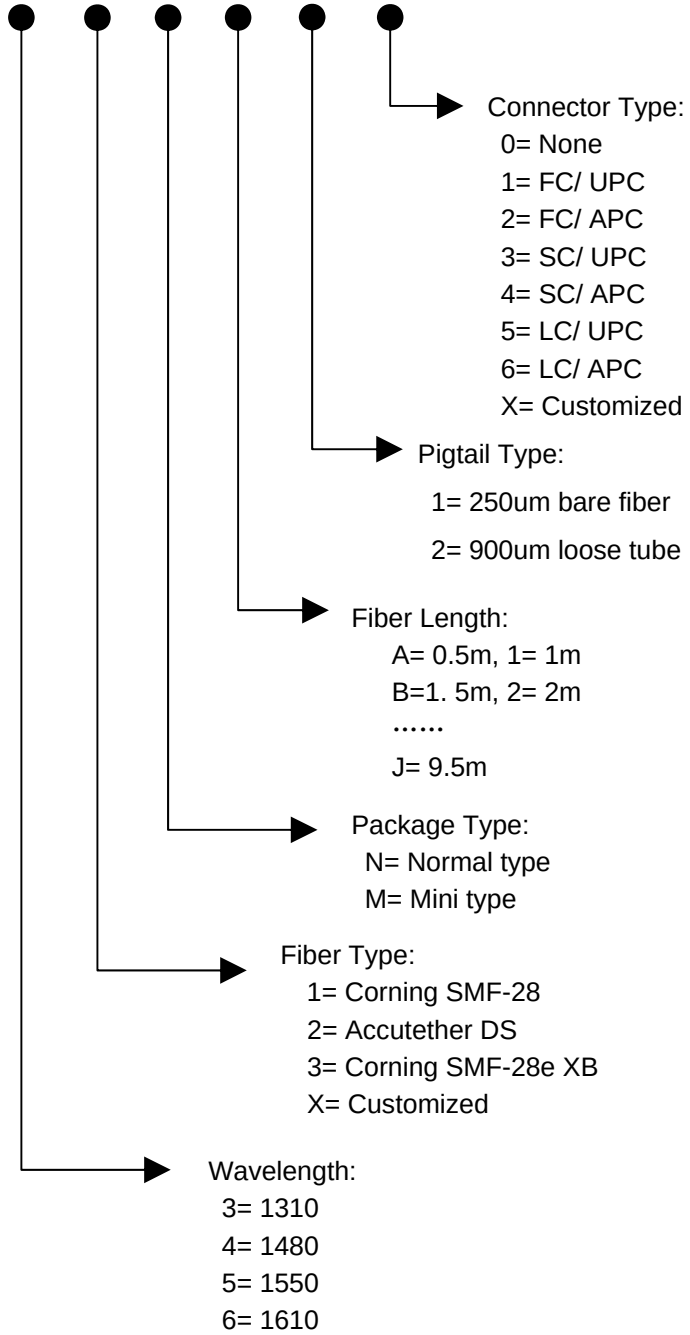
Ordering Information

FRM-X-X-X-X-X-X-UM



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