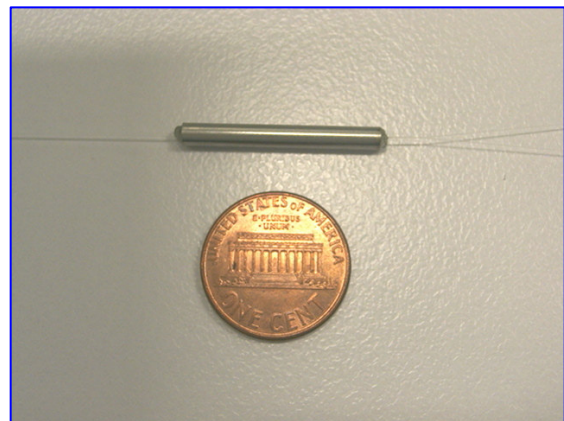


### POLARIZATION MAINTAINING COUPLERS

AOFR offer Polarization Maintaining Couplers (PMC) for a range of applications where the polarization of the signal needs to be maintained after splitting. AOFR's PMC's use proven fused biconic taper (FBT) technology and advanced automated production techniques to give high performance and long term stability and reliability. AOFR Polarization Maintaining Couplers are available in a number of fiber sizes including 125µm and 80µm cladding diameters and in small tubular packaging suited for all OEM applications.

#### FEATURES

- Low insertion loss
- High Extinction ratio
- Compact, all fiber construction
- Extended operating temperature (-40°C to 85°C)
- Stable environmental performance
- Shock and Vibration resistant
- High power handling capability
- Proven FBT reliability
- Telcordia 1209/1221 compliant



#### SPECIFICATIONS

<b>Configuration</b>	1x2 or 2x2	
<b>Operating Wavelength<sup>1</sup></b>	1550±20nm	
<b>Coupling Ratio at center wavelength</b>	5% ± 2% to 50% ± 4%	
<b>Coupling Ratio spectral variation<sup>2</sup></b>	0.4% per nm	
<b>Excess Loss</b>	<0.35dB	
<b>Polarization Extinction Ratio</b>	>20dB	
<b>Return Loss/Directivity</b>	>55dB	
<b>Operating Temperature</b>	-40°C to 85°C	
<b>Fiber Stress Member Geometry</b>	Elliptical or Panda	
<b>Fiber (Cladding/Acrylate)</b>	80/170µm	125/250µm
<b>Package</b>	Ø3mm x27mm	Ø3mm x45mm

<sup>1</sup> Other Operating Wavelengths available on request.

<sup>2</sup> Wavelength Flattened devices available on request.

#### AOFR Pty Limited

2 Faulding Street  
Symonston ACT  
Australia 2609  
PO Box 7125  
Canberra Business Centre ACT, 2610  
Ph:+61 2 6206 2222  
Fax: +61 2 6280 6393

#### Sales Contacts:

**North & South America** - email: [sales@aofr.com](mailto:sales@aofr.com)

**Europe & Middle East** - email: [sales@aofr.com](mailto:sales@aofr.com)

**Japan (Industrial)** - OptoSirius Corp.- Ph: +81 3 5963 6377, Fax: +81 3 5963 6388, email: [aihara@optosirius.co.jp](mailto:aihara@optosirius.co.jp)

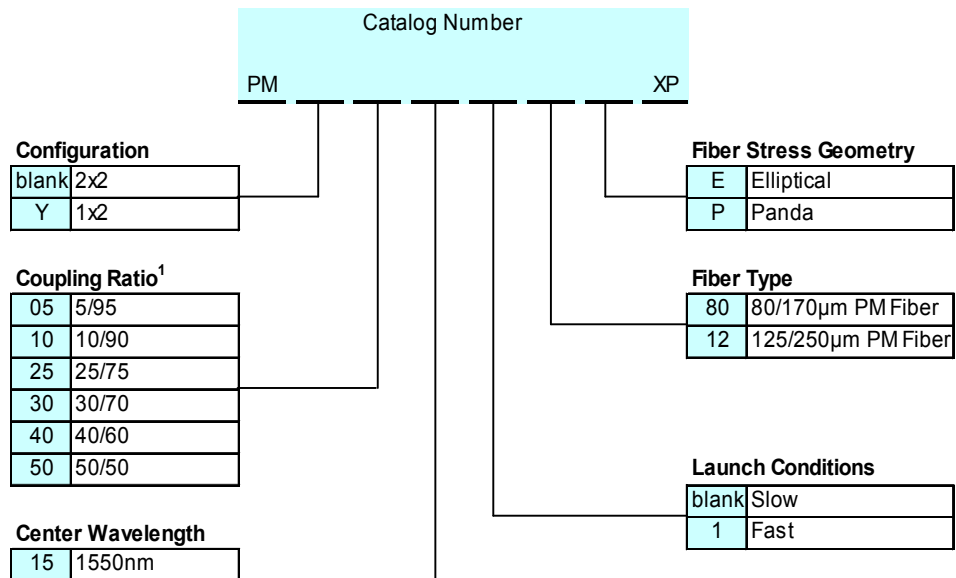
**Japan (Telecom)**- Nissho Electronics Corp.- Ph:+81 3 3544 8211, Fax: +81 3 3544 8280. email:[o-devices@nissho-ele.co.jp](mailto:o-devices@nissho-ele.co.jp)

**China** - ComStar Communications Ltd.- Ph: +85-2-2536-9737, Fax: +85-2-2536-9978, email: [hongkong@comstarcom.com](mailto:hongkong@comstarcom.com)

**Australia/New Zealand** - CoverTel - Ph: +61 (0)3 932 83699, Fax: +61 (0)3 932 82644, email: [cliff\\_lever@covertel.com.au](mailto:cliff_lever@covertel.com.au)

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### ORDERING INFORMATION



<sup>1</sup> Other Coupling Ratios available on request

### PACKAGE OUTLINES

1x2 Tubular 'XP'

