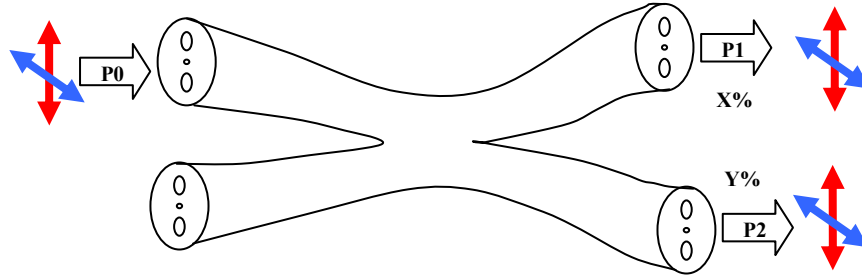


TRULY FUSED POLARIZATION MAINTAINING SPLITTERS



Advantages:

- Low Loss
- Low back-reflection
- Small size
- High extinction ratio with polarization launch into a single or dual axis (Slow & Fast)
- Made in U.S.A. on Gould's Proven high reliability Fused Biconical Taper (FBT) Process

Optical Specification for Single Wavelength (UV to IR) PM Splitters

Parameter	Dual Axis (D)		Single Axis (S)	
	Series 1	Series 2	Series 1	Series 2
Axis	Slow & Fast		Slow ¹	
Min. E. R. (dB)	20	18	20	18
Typ. E. R. (dB)	25	20	25	20
Typ. E. L. (dB)	≤ 0.3	≤ 0.5	≤ 0.3	≤ 0.5
Wavelength(nm)	² UV To IR			
*** Op. Temp. (°C)	0 TO +70	0 TO +70	0 TO +70	0 TO +70
Storage Temp. (°C)	-40 TO +85			
Thermal Stability (dB)	≤ 0.3			
Directivity (dB)	40 (1X2), 60 (2X2)			
Fiber	PANDA (Various suppliers)			
Package Size	2.9mm Dia. X 40mm			
⁴ Coupling Ratio (CR)	³ INSERTION LOSS (IL) (dB)			
50%	3.5	3.7	3.5	3.7
10%	11/0.8	11.3/1.0	11/0.8	11.3/1.0
5%	14.2/0.5	14.5/0.7	14.2/0.5	14.5/0.7
1%	23.3/0.3	23.7/0.7	23.3/0.3	23.7/0.7

*** -10°C TO +70°C available upon request.

TRULY FUSED POLARIZATION MAINTAINING SPLITTERS



- ¹ Fast Axis available upon request.
- ² Upon availability of PM fiber.
- ³ IL tested at 25 °C at Slow Axis.
- ⁴ CR tested at Slow Axis.

Fused wavelength flattened PM splitter specifications

Parameter	Dual Axis		Single Axis	
	Series 1	Series 2	Series 1	Series 2
Axis	Slow & Fast		Slow †	
Min. E. R. (dB)	20	18	20	18
Typ. E. R. (dB)	25	20	25	20
E. L. (dB)	≤ 0.3	≤ 0.5	≤ 0.3	≤ 0.5
Wavelength(nm)	1310, 1480, 1550, etc			
Bandpass (nm)	+/-20nm			
*** Op. Temp. (°C)	0 TO +70	0 TO +70	0 TO +70	0 TO +70
Storage Temp. (°C)	-40 TO +85			
Thermal Stability (dB)	≤ 0.3			
Directivity (dB)	40 (1X2), 60 (2X2)			
Fiber	PANDA (Various suppliers)			
Package Size	2.9mm Dia. X 40mm			
** Coupling Ratio (CR)	* INSERTION LOSS (IL) (dB)			
50%	3.8	4.0	3.8	4.0
10%	11.7/1.0	12.0/1.2	11.7/1.0	12.0/1.2
5%	15.0/0.6	15.7/0.8	15.0/0.6	15.7/0.8
1%	23.5/0.5	23.7/0.7	23.5/0.5	23.7/0.7

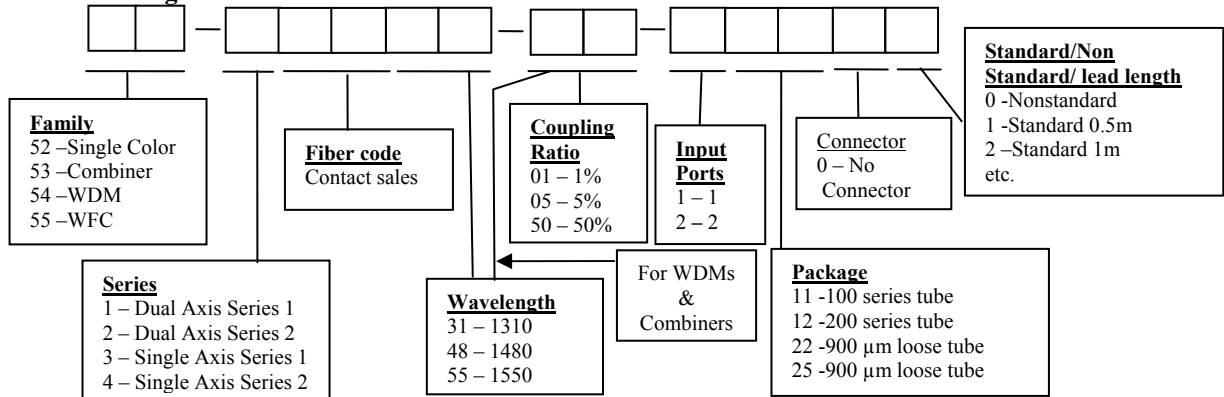
* IL tested at 25 °C at Slow Axis including WDL.

** CR tested over the wavelength band, at Slow Axis.

*** -10 °C TO +70 °C available upon request.

† Fast Axis available upon request.

Ordering Information:



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