Polarization Maintaining Fused Coupler

FEATURES:
- Low excess loss
- High directivity
- High power handling
- High return loss

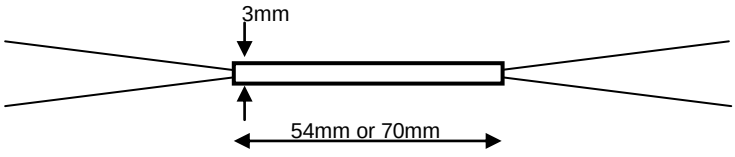
APPLICATIONS:
- Power splitting
- Power monitoring
- Optical fiber sensors

Fused couplers are made by fusing and tapering two fibers together. The optical signal directed through the input fiber will be split into two at the fusion point. Phoenix can offer a variety of split ratios (with tap ratios from 1% to 50%). The couplers are available in 1x2 and 2x2 configurations.

SPECIFICATION			
Central wavelength	nm	1310, 1550	980, 1064
Bandwidth	nm	±20	
Typ. excess loss	dB	0.3	0.8
Max excess loss	dB	0.6	1
Extinction ratio	dB	17	16
Directivity	dB	55	
Operating temperature	°C	-40 to +85	
Storage temperature	°C	-40 to +85	

CONFIGURATION				
Fibre length		0.8m		
Fibre type		Panda		
Cable diameter		250um	900um	900um, 2mm, 3mm
Dimensions	mm	ϕ3.0 x L54	ϕ3.0 x L70	90 x 16 x 9

PACKAGE STYLE:



PRODUCT ORDERING INFORMATION:

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- Port: 1 = 1x2, 2 = 2x2
- Operating Wavelength: 98 = 980nm, 10 = 1064nm, 13 = 1310nm, 15 = 1550nm
- Coupling ratio: e.g. 5050 = 50:50
- In/out connectors: e.g. FC/APC
- Package size: A = ϕ3.0 x L54, B = ϕ3.0 x L70, C = 90 x 16 x 9

Phoenix Photonics Limited
Web: www.phoenixphotonics.com Email: sales@phoenixphotonics.com