

## POLARIZATION MAINTAINING (PM) FUSED COUPLER (488, 532, 635, 780, 830, 980, 1064nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	488, 532, or 635	780, or 830	980, or 1064	
Bandwidth		nm	±2	±5	±10	
Excess Loss	Typ.	dB	0.8	0.5	0.4	
	Max	dB	1.2	0.8	0.6	
Extinction Ratio ( $\lambda_c$ , 23°C)	Port Coupling Ratio >10%	Min	dB		18	
	Port Coupling Ratio >1%, <10%	Min	dB		16	
Directivity		Min	dB		50	
Return Loss		Min	dB		50	
Optical Power Handling		Max	mW	100	2000	
Operating Temperature		°C				-5 to 75
Storage Temperature		°C				-40 to 85

\* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & ER.

\* Optical Power Handling is limited to 1W if connectors are added.

\* Connector key is aligned to slow axis.

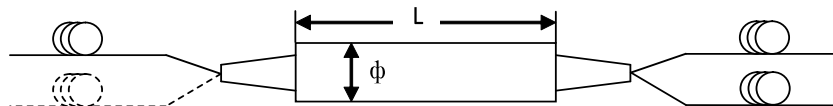
Parameter	Unit	1/99	2/98	5/95	10/90	20/80	30/70	40/60	50/50
Coupling Ratio Tolerance ( $\lambda_c$ )	Max %	±0.3	±0.5	±0.7	±1.0	±2.0	±2.0	±2.5	±3.0

### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube
Configuration		1x2 or 2x2	
Dimension	mm	φ3.0 x L60	φ3.0 x L76

### Package Diagram



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**Ordering Information**

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PMFC	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
PMFC (or PMCP)	S=Standard	480=480	50=50/50	12=1x2	A60=φ3.0 x	PM=PM Panda	B=250um	05=0.5m	NE=None
		532=532	20=20/80	22=2x2	L60		O=400um	10=1.0m	FA=FC/APC
		635=635	10=10/90		A76= φ3.0 x	X= Others	L=900um	15=1.5m	FC=FC/PC
		780=780	05=05/95	X= Others	L76		W=2mm	20=2.0m	SA=SC/APC
		830=830	02=02/98				H=3mm	30=3.0m	SC=SC/PC
		980=980	01=01/99		X=Others				ST=ST/PC
		10=1064						X=Others	LA=LC/APC
		X: Others	X=Others						LC=LC/PC
									X=Others

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