

## Polarization Maintaining Fused Coupler

Part No.: PMTC-22-30/70-1550-3.0x45-PM1550-1-0-N

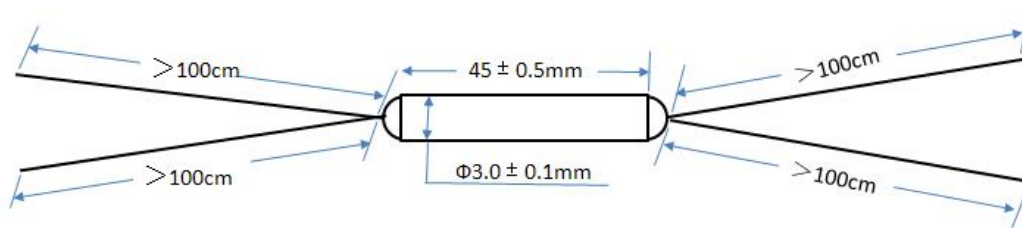
### ◆ Specification:

Parameters	Unit	Values
Structure	/	2*2
Center Wavelength $\lambda_c$	nm	1550
Operating Wavelength Range	nm	$\pm 10$
Coupling Ratio	%	30/70
Insertion Loss	dB	$\leq 2.0/6.0$
Excess Loss	dB	$\leq 0.5$
Polarization Extinction Ratio	dB	$\geq 20$
Min. Return Loss	nm	$\geq 50$
Max. Average Optical Power	mW	$\leq 500$
Max. Tensile Load	N	5
Fiber Type	/	PM1550 bare fiber
Fiber Length	m	$1 \pm 0.1$
Connector	-	N/A
Package Dimension	mm	3.0X45
Operating Temperature	$^{\circ}\text{C}$	-5 to +75
Storage Temperature	$^{\circ}\text{C}$	-40 to +85

\*Values specified are without connector loss. IL will be higher, RL and ER will be lower with connectors.

\*The PM fiber and the connector key are aligned to the slow axis, fast axis is blocked.

### ◆ Package Dimension:



### ◆ Ordering Information

PMTC-①-②-③-④-⑤-⑥-⑦-⑧-⑨

①	②	③	④	⑤	⑥	⑦	⑧	⑨
Structure	Center Wavelength	Coupling Ratio	Package Dimension	Fiber Type	Fiber Length	Fiber Jacket	Connector	Working Axis
22-2X2	1030-1030nm	10-10/90	5.5*35mm	PM980-PM980	0.8-0.8M	0-Bare Fiber	N-None	F-Fast Axis Blocked
12-1X2	1064-1064nm	20-20/80	S-Specify	PM1550-PM1550	1-1M	1-900 $\mu\text{m}$ Loose Tube	FU-FC/PC	B-Both Axis Working
	1550-1550nm	50-50/50		S-Specify	S-Specify	2-2mm Cable	FA-FC/APC	S-Slow Axis Blocked