

Product: Polarization Maintaining Tap Coupler

Part Number	Spec Number	Version	Date
PMTCXXXXXXXXXX	S077	Rev 01	11/06/2023

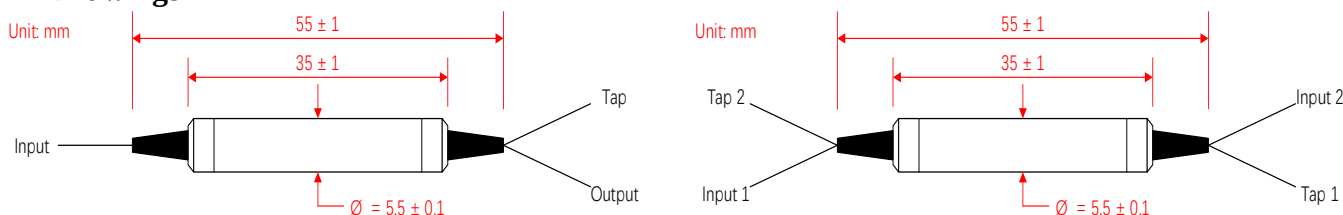
1 Specifications

Item	Parameters	Symbol	Value	Units	Note
1.	Center Wavelength	λ_c	1310 or 1480 or 1550	nm	
2.	Operating Wavelength Range	λ_{op}	$\lambda_c \pm 20$	nm	
3.	Configuration		1 × 2 2 × 2		
4.	Max. Excess Loss	EL	0.7 1.0	dB	
5.	Max. Uniformity (only for 50%)		0.6 0.8	dB	
6.	Tap Ratio		0.1 ± 0.05, 1 ± 0.2, 2 ± 0.4, 4 ± 0.8, 5 ± 1.0, 10, 20 and 50	%	
7.	Min. Extinction Ratio	ER	20	dB	
8.	Min. Return Loss	RL	50	dB	
9.	Max. Optical Power	P_{op}	5	W	
10.	Max. Peak Power for ns Pulse	P_p	10	kW	
11.	Fiber Type		PM1550 or Specify		
12.	Operating Temperature	T_{op}	-5 to 70	°C	
13.	Storage Temperature	T_{stor}	-40 to 85	°C	

Note:

* IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower and Optical Power is 1W only for each connector added. Connector key is aligned to slow axis.

2 Drawings



3 Device Label, Delivery Data, RoHS Requirement

Triple-Stone standard format. RoHS compliant.

4 Order Information

PMTC-1-2-3-4-5-6-7-8-9-10

1.	Wavelength	31 - 1310 nm, 48 - 1480 nm, 55 - 1550 nm, SS - Specify
2.	Configuration	1 - 1 × 2, 2 - 2 × 2
3.	Coupling Ratio	0.1 - 0.1/99.9, 01 - 01/99, 05 - 05/95, 10 - 10/90, 50 - 50/50, SS - Specify
4.	Fiber Type for In&Out	1 - PM1550, 2 - PM1310, S - Specify
5.	Fiber Type for Taps	1 - PM1550, 2 - PM1310, 3 - SMF-28, S - Specify
6.	Fiber Length	1 - 1.0 m, S - Specify
7.	Jacket Type	B - Bare fiber, L - 900 μm loose tube, S - Specify
8.	Connector Type	1 - FC/UPC, 2 - FC/APC, N - None, S - Specify
9.	Power Type	C - Continuous Wave, P - Pulse Application
10.	Working Axis	F - Fast axis blocked, S - Slow axis blocked