HJ OPTRONICS

4055 Filan Way
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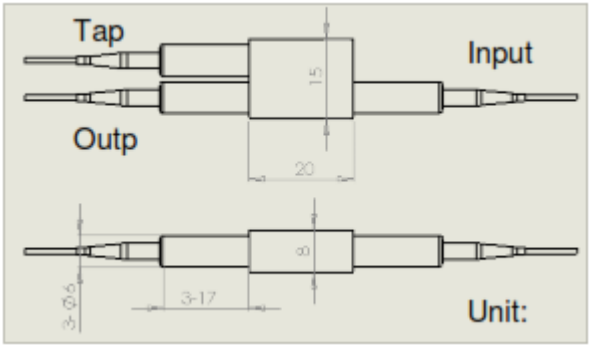
United States

Polarization Maintaining Fiber Filter Coupler

Model #: PMTC
Description: Polarization Maintaining Fiber Filter Coupler at visible wavelengths
Application: Fiber amplifier, fiber laser, fiber sensor
Specifications:

Parameter	Unit	Specifications		
Central Wavelength (λ_c)	nm	488	532	632
Operating Wavelength Range	nm	± 10		
Configuration		1 x 2		
Maximum Excess Loss 23°C	dB	1.7	1.6	1.5
Max. Uniformity (only for 50%)	dB	1.0		
Tap Ratio*	%	1±0.2, 2±0.4, 5±1.0, 10±2.0, or 50		
Minimum Return Loss	dB	50		
Minimum Polarization Extinction Ratio	dB	18		
Maximum Optical Power	mW	300		
Operating Temperature	°C	-5 to +70		
Storage Temperature	°C	-40 to + 80		
Dimension (mm)		5 (D) x 35 (L)		
Fiber Type		HI fiber OR PM Panda fiber for tap port		
		PM Panda fiber for input and output ports		

* Customized ratios are acceptable;
Note: each connector may contribute extra 1.0 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



Ordering Information:
PMTC-AA-B-CC-D-E-F-G-H

AAA: wavelength	B: configuration	CC: coupling ratio	D: connector type	E: fiber jacket	F: fiber type for tap port	G: fiber length	H:polarization orientation
488 – 488 nm	1 - 1x2	01 - 1/99	1 - FC/UPC	B - 250µm Panda fiber	M - HI fiber	Q-0.75m	F - fast axis blocked
532 – 532 nm		02 - 2/98	2 - FC/APC	L - 900 µm loss tube	P-Panda fiber	X-other	
632 – 632 nm		05 – 5/95	3 - SC/UPC	X - other	X-other		
XX - other		10 - 10/90	4 - SC/APC				
		50 - 50/50	N - none				
		XX - other	X - other				