HJ OPTRONICS

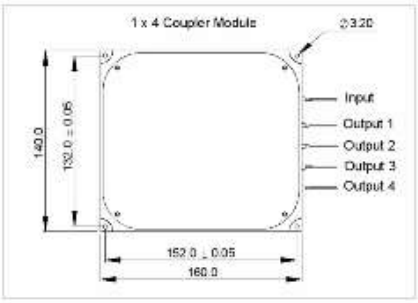
4055 Filan Way
San Jose, CA 95135
United States

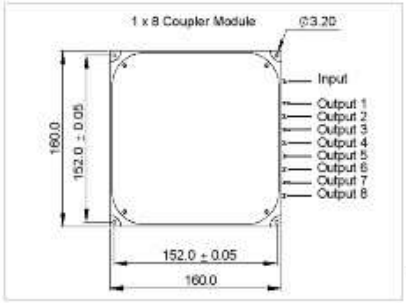
Polarization Maintaining Fiber Filter Coupler (1 x N)

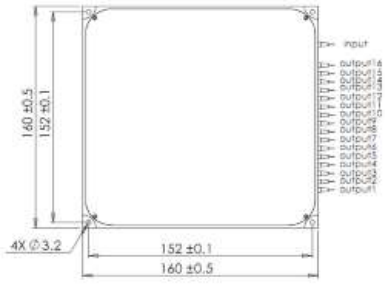
Model #: PMTCM
Description: 1310 or 1550 nm Polarization Maintaining Fiber Filter Coupler Module
Application: Fiber amplifier, fiber laser, fiber sensor
Specifications:

Parameter		Unit	Specifications			
Wavelength Range		nm	1550 or 1310 +/- 30			
Configuration			1 x 3	1 x 4	1 x 8	1 x 16
Maximum Insertion Loss		dB	5.8	7.5	11	14.8
Typ. Insertion Loss		dB	5.6	7.0	10.5	14
Max. Wavelength Dependent Loss		dB	0.5	0.5	0.5	0.7
Typ. Wavelength Dependent Loss		dB	0.3	0.3	0.3	0.5
Max. Insertion Loss Uniformity		dB	0.6	0..8	1.0	1.2
Min. Return Loss		dB	50			
Min. Directivity		dB	50	50	45	
Min. Polarization Extinction Ratio	Fast axis blocked		20			
	Both axes working		16			
Max. Temperature Dependent Loss		dB/°C	0.006	0.006	0.008	0.009
Max. Optical Power		mW	300 or specify			
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to + 80			
Dimension (mm)		mm	160 x 140 x 10	160 x 140 x 10	160 x 160 x 10	
Fiber Type			PM Panda fiber for input and output ports			

* Customized ratios are acceptable.
Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis. The maximum power handling capacity will be 1W if connectors are used.







Ordering Information:
PMTCM-AA-BBBB-CC-D-E-F-G

AA: wavelength	BBBB: configuration	CC: coupling ratio	D: connector type	E: fiber jacket	F: fiber length	G:polarization orientation
31 - 1310	0103 – 1 x 3	EV - even	1 - FC/UPC	B - 250μm Panda fiber	H-0.5m	F - fast axis blocked
55 - 1550	0104 – 1 x 4	XX - other	2 - FC/APC	L - 900 μm loss tube	X-other	B – both axes working
XX - other	0108 – 1 x 8		3 - SC/UPC	X - other		
	0116 – 1 x 16		4 - SC/APC			
			N - none			
			X - other			