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Polarization Maintaining Filter Coupler Module (1 × 4/1 × 8)
(DL-PMFCM-TT-UUUU-VV-W-X-Y-Z-(1 × 4/1 × 8))

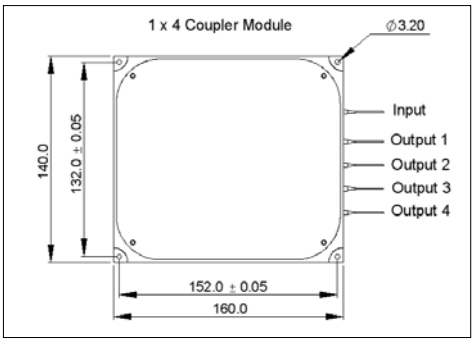
The PMFCM series spilts the input signal into multi channels at a given splitting ratio with high extinction ratio, low excess loss, good uniformity, low wavelength dependance and low temperature dependance. It can be used in fiber sensors, amplifiers, lasers, etc.

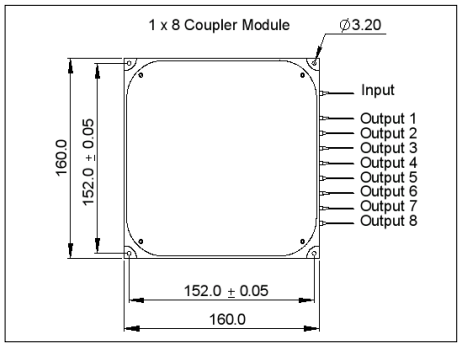
A. Specifications

Parameter	1 × 4	1 × 8	Unit
Center Wavelength (λc)	1310 or 1550	1310 or 1550	nm
Operating Wavelength Range	λc ± 30	λc ± 30	nm
Insertion Loss	⩽ 7.5, Typ. 7.0	⩽ 11, Typ. 10.5	dB
Wavelength Dependent Loss	⩽ 0.5, Typ. 0.3	⩽ 0.5, Typ. 0.3	dB
Max. IL Uniformity	0.8	1	dB
Min. Return Loss	50	50	dB
Directivity	50	45	dB
Min. Extinction Ratio	23	23	dB
Max. Temperature Dependent Loss	0.006	0.008	dB/℃
Operating Temperature	-5 to +70	-5 to +70	℃
Storage Temperature	-40 to +85	-40 to +85	℃

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

B. Package Dimensions





C. Ordering Information

DL-PMFCM-TT-UUUU-VV-W-X-Y-Z-(1 × 4/1 × 8)

TT: Center Wavelength
31 - 1310 nm
55 - 1550 nm
SS - Specify

VV: Splitting Ratio
EV - Evenly splitted
SS - Specify

W: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None

X: Fiber Type (PM Panda fiber)
B - 250 μm Panda fiber
L - 900 μm loose tube
S - Specify

UUUU: Configuration
0104 - 1 × 4
0108 - 1 × 8

Y: Fiber Length
H - 0.5 m
S - Specify

Z: Working Axis
F - Fast axis blocked