DenseLight Semiconductors

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Polarization Maintaining Filter Coupler Module (1 x 3) (DL-PMFCM-TT-UUUU-VV-W-X-Y-Z-(1 x 3))

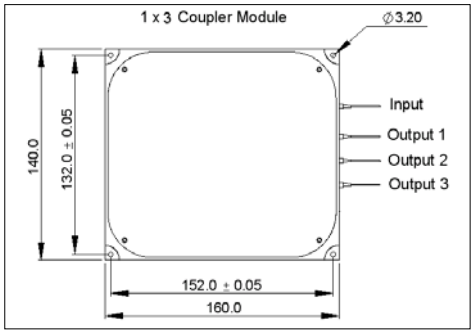
The PMFCM series spilts the input signal into multi channels at a given splitting ratio with high extinction ratio, low excess loss, good uniformity, low wavelength dependance and low temperature dependance. It can be used in fiber sensors, amplifiers, lasers, etc.

A. Specifications

Parameter	Value	Unit
Center Wavelength (λc)	1310 or 1550	nm
Operating Wavelength Range	λc ± 30	nm
Max. Insertion Loss	5.8	dB
Max. Wavelength Dependent Loss	0.5	dB
Max. IL Uniformity	0.6	dB
Min. Return Loss	50	dB
Directivity	50	dB
Min. Extinction Ratio	23	dB
Max. Temperature Dependent Loss	0.006	dB/℃
Operating Temperature	-5 to +70	℃
Storage Temperature	-40 to +85	℃
Package Dimensions	160 × 140 × 10	mm

*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 x 3)

TT: Center Wavelength	UUUU: Configuration	VV: Splitting Ratio	W: Connector Type
31 - 1310 nm	0103 - 1 × 3	EV - Evenly splitted	1 - FC/UPC
55 - 1550 nm		SS - Specify	2 - FC/APC
			3 - SC/UPC
X: Fiber Type (PM Panda)	**Y: Fiber Length**	**Z: Working Axis**	4 - SC/APC
B - 250 μm Panda fiber	H - 0.5 m	F - Fast axis blocked	N - None
L - 900 μm loose tube	S - Specify	S - Slow axis blocked	
S - Specify			