

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

The PMFCM series splits the input signal into multi channels at a given splitting ratio with high extinction ratio, low excess loss, good uniformity, low wavelength dependence and low temperature dependence.

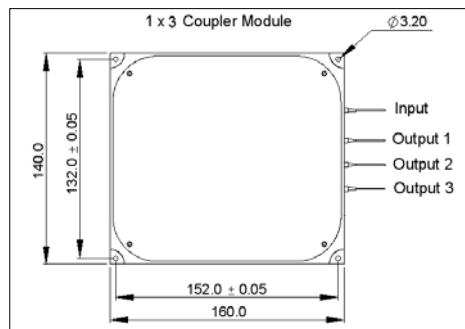
It can be used in fiber sensors, amplifiers, lasers, etc.

A. Specifications

| Parameter | Value | Unit |
|-----------------------------------|--------------------|-------|
| Center Wavelength (λ_c) | 1310 or 1550 | nm |
| Operating Wavelength Range | $\lambda_c \pm 30$ | 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/°C |
| Operating Temperature | -5 to +70 | °C |
| Storage Temperature | -40 to +85 | °C |
| 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 |
| | | | 4 - SC/APC |
| | | | N - None |
| X: Fiber Type (PM Panda) | Y: Fiber Length | Z: Working Axis | |
| B - 250 μ m Panda fiber | H - 0.5 m | F - Fast axis blocked | |
| L - 900 μ m loose tube | S - Specify | S - Slow axis blocked | |
| S - Specify | | | |