

# PM Coarse Wavelength Division Multiplexer (PMCWDM)

## Product Features

- Wide pass band
- Low Insertion Loss
- Access Network › Epoxy-free on Optical Path

## Product Applications

- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research

## Specifications

| Parameter                |                      | Unit | Value   |
|--------------------------|----------------------|------|---|
| Central Wavelength       |                      | nm   | 1271, 1291, 1311, .....1551, 1571, 1591, 1611 |
| Channel space            |                      | nm   | 20  |
| Channel bandwidth        |                      | nm   | $\lambda_c \pm 7.5$                           |
| Insertion Loss-Comm~Pass |                      | dB   | $\leq 0.5$                                    |
| Insertion Loss-Comm~Ref  |                      | dB   | $\leq 0.4$                                    |
| Isolation                | Adjacent channel     | dB   | $\geq 30$                                     |
|                          | Non-adjacent channel |      | $\geq 40$                                     |
| Directivity              |                      | dB   | $\geq 55$                                     |
| Return loss              |                      | dB   | $\geq 50$                                     |
| ER                       |                      | dB   | $\geq 22$                                     |
| Power handling           |                      | mW   | $\leq 500$                                    |
| Operating temperature    |                      | °C   | 0 ~ +70                                       |
| Storage temperature      |                      | °C   | -40 ~ +85                                     |
| Dimensions (LxH)         |                      | mm   | 5.5X35  |

\* Above specifications are for devices without connectors

\* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower

\* The PM fiber and the connector key are aligned to the slow axis

## Ordering Information

| PMC WDM | Port Type                    | Wavelength                               | Pigtail Type              | Fiber Type                  | Length        | Connector   |
|---------|------------------------------|--|---------------------------|-----------------------------|---------------|---|
| 1x1     | 1ch<br>2ch<br>3ch<br>Specify | 1271<br>1291<br>.....<br>1611<br>Specify | 250um<br>900um<br>Specify | PM1310<br>PM1550<br>Specify | 1m<br>Specify | None<br>FC/APC<br>FC/UPC<br>SC/APC<br>SC/UPC<br>LC/UPC<br>Specify |