

## Filter Type Multi-Mode Splitter (FMMC)



### Overview:

Filter type multi-mode splitter features stable split ratio with various light sources. The fused multi-mode coupler coupling ratio will change with the light source types. For the multi-mode fiber systems that may use different light sources, filter type multi-mode splitter is the only choice to keep stable split ratio.

### Features:

- Broad operating band
- \* Stable coupling ratio for any light source
- \* High stability and reliability

### Applications:

- \* Multi-mode fiber system
- \* LAN
- \* Testing instrument

**Specification:**

| Type                                     |       | FMMC                                       |
|--|-------|--|
| Parameter                                |       |  |
| Operating wavelength (nm)                |       | 850 or 1310 ,others on request             |
| Operating bandwidth (nm)                 |       | ± 50                                       |
| insertion<br>loss<br>(dB)                | 50/50 | ≤3.9/3.9                                   |
|  | 10/90 | ≤11.3/1.1                                  |
|  | 5/95  | ≤14.5/0.9                                  |
| Directivity(dB)                          |       | ≥38  |
| PDL (dB)                                 |       | ≤0.10                                      |
| Wavelength thermal stability (nm/°C)     |       | ≤0.003                                     |
| Insertion loss thermal stability (dB/°C) |       | ≤0.005                                     |
| Power handling (mW)                      |       | ≤500                                       |
| Operating temperature (°C)               |       | 0 ~ +70                                    |
| Storage temperature (°C)                 |       | -40 ~ +85                                  |
| Dimensions (mm)                          |       | φ5.5 × L34                                 |
| Fiber type                               |       | 50/125 or 62.5/125Corning Multi-Mode Fiber |

\*The above specification is without connector.

\*Other specifications can be made on customer request.

**Ordering Information:**

FMMC—XXX/XXXX—XX/XX—X—X--XX/XXX

