

## 780-850nm Fiber Mirror

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- Low Polarization Sensitivity
- Low Profile Packaging

### APPLICATIONS

- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

### SPECIFICATIONS

| Parameter                            | Unit                       | Value                                                                       |
|--------------------------------------|----------------------------|-----------------------------------------------------------------------------|
| Center Wavelength                    | nm                         | 750, 780, 793, 808, 830, 850                                                |
| Bandwidth                            | nm                         | +/-10                                                                       |
| Insertion Loss (Max.)                | dB                         | 1.4                                                                         |
| PDL (for SM Fiber Type)              | dB                         | ≤0.20                                                                       |
| Extinction Ratio (for PM Fiber Type) | dB                         | ≥20                                                                         |
| Fiber Type                           | SM Fiber Type              | -                                                                           |
|                                      | PM Fiber Type              | -                                                                           |
|                                      |                            | HI780 Fiber or 780-HP Fiber<br>PM850 Fiber or PM780-HP Fiber                |
| Fiber Tensile Load                   | N                          | 5                                                                           |
| Maximum Optical Power (CW)           | mW                         | 300                                                                         |
| Operating Temperature                | °C                         | 0~50                                                                        |
| Storage Temperature                  | °C                         | -40~85                                                                      |
| Package                              | Stainless Steel Tube (SST) | mm                                                                          |
| Dimension                            | Metal Box                  | mm                                                                          |
|                                      |                            | Φ5.5x <sup>L</sup> 35<br><sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10 |

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

| FFMR-NNN          | -                  | (C)                   | C             | -                              | (C)           | (C)          | C                       | NN | - | CC/CCC |
|-------------------|--------------------|-----------------------|---------------|--------------------------------|---------------|--------------|-------------------------|----|---|--------|
| Center Wavelength | Type               | Fiber Type            | Package       | Fiber Type                     | Fiber Sleeve  | Fiber Length | Connector Type          |    |   |        |
| 780=780nm         | R=High ER          | P= PM Fiber           | M=Metal Box   | 7=780HP Fiber or PM780HP Fiber | B= Bare Fiber | 05=0.5m      | N=Without Connector     |    |   |        |
| 793=793nm         | Blank for Standard | S=SM Fiber            | Blank for SST | Blank for HI780 or PM850 Fiber | L= Loose Tube | 10=1.0m      | FC/APC=FC/APC Connector |    |   |        |
| 830=830nm         |                    | F= PM Fiber/Fast Axis |               |                                | 2= 2mm Cable  | 15=1.5m      | LC/PC=LC/PC Connector   |    |   |        |
| 850=850nm         |                    |                       |               |                                | 3= 3mm Cable  | 20=2.0m      | SC/UFC=SC/UFC Connector |    |   |        |