

750~860nm Singlemode Pump Laser Protector

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks



SPECIFICATIONS

| Parameters | Unit | Standard | High Isolation |
|--------------------------------------|--|---|----------------|
| Pump Laser Center Wavelength | nm | 750, 780, 793, 808, 830, 850 | |
| Pump Laser Bandwidth | nm | +/- 10 | |
| Blocking Signal Wavelength | Type 5 | 1500~1620 | |
| | Type 2 | 1020~1120&1500~1620 | |
| | Type 8 | 880~1100 | |
| | Type 9 | 1900~2070 | |
| Pump Insertion Loss | Typ. | 0.9 | 1.0 |
| | Max. | 1.8 | |
| Backward Signal Attenuation | dB | ≥25 | ≥50 |
| Configuration | D Type | 2-port | |
| | Y Type | 3-port, (Backward Power Guide Out) | |
| Return Loss | dB | ≥50 | |
| Fiber Type | Input & Output | HI780 Fiber or 780-HP Fiber | |
| | 3 rd Port (Only for Y Type) | Same Fiber or 50/125um MM Fiber | |
| Fiber Tensile Load | N | 5 | |
| Max. Optical Power (Pump+Signal, CW) | W | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20 | |
| Max. Signal Power (CW) | W | 0.3, 0.5, 1, 2, 3, 5, 10 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | ∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W) | |
| | Metal Box | ^L 90x ^W 12x ^H 10 (>10W); ^L 120x ^W 12x ^H 10 (≤10W) | |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.
 5. Suggest to use Y type if blocked optical power is >1W.
 6. Package size may be different for different optical power, fiber type and configurations.

ORDERING INFORMATION (PN)

| FSPP-NNN | - N | (C) | (C) | -PNN | - (NN) | -(C) | (C) | C | NN | -CC/CCC |
|-------------------|-----------|--------------------|------------------|---------------|-----------------|---------------|-----------------------|---------------|--------------|-------------------------|
| Center Wavelength | Type | Isolation | 3rd Port Fiber | Optical Power | Signal Power | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
| 780-780nm | 5= Type 5 | I=High Isolation | Y= Same Fiber | 03=300mW | 05=500mW | M= Metal Box | 7= 780HP Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| 793-793nm | 9=Type 9 | Blank for Standard | 5=50/125um Fiber | 1= 1W | 1= 1W | Blank for SST | Blank for HI780 Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| 808- 808nm | 8= Type 8 | | Blank for D Type | 5= 5W | 5= 5W | or >10W | | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| 830- 830nm | 2= Type 2 | | | 10=10W | Blank for 300mW | | | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |