

## 750~890nm Inline Type Fixed Attenuator for Pulse Power

### FEATURES

- High Precision
- Variety Attenuation
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipment



### SPECIFICATIONS

| Parameter                     | Unit                       | Value                          |                                    |
|-------------------------------|----------------------------|--------------------------------|------------------------------------|
| Center Wavelength             | nm                         | 750, 780, 793, 808, 830, 850   |                                    |
| Bandwidth                     | dB                         | +/-10                          |                                    |
| Attenuation Range             | dB                         | 0~30dB                         |                                    |
| Standard Attenuation Value    | dB                         | 3, 5, 10, 15, 20               |                                    |
| Attenuation Tolerance         | <5dB                       | dB                             | +/-0.5                             |
|                               | ≥5dB                       | %                              | +/-10%                             |
| Optical Return Loss           | dB                         | ≥45                            |                                    |
| Configuration                 | D Type                     | -                              | 2-port                             |
|                               | Y Type                     | -                              | 3-port, attenuated power guide out |
| Fiber Type                    | -                          | HI780 Fiber or 780-HP Fiber    |                                    |
| Fiber Tensile Load            | N                          | 5                              |                                    |
| Maximum Thru Average Power    | W                          | 0.3, 0.5, 1, 2, 3, 5, 10       |                                    |
| Max. Peak Power for Pulse     | kW                         | 0.1, 1, 2, 3, 5, 10, 15, 20    |                                    |
| Max. Attenuated Average Power | W                          | 2                              |                                    |
| Operating Temperature         | °C                         | 0~50                           |                                    |
| Storage Temperature           | °C                         | -40~85                         |                                    |
| Package Dimension             | Stainless Steel Tube (SST) | mm                             | Φ3.0x60 for Bare Fiber             |
|                               |                            |                                | Φ3.0x76 for 900um Loose Tube       |
|                               | Metal Box                  | L120xW12xH10 for 2mm/3mm Cable |                                    |

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.7dB higher, RL is 5dB lower.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  - Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

| PIAT- <b>NNN</b>  | - <b>NN</b> | ( <b>C</b> )     | -H <b>NN</b>  | P <b>NN</b> | -( <b>C</b> ) | ( <b>C</b> )          | <b>C</b>      | <b>NN</b>    | - <b>CC/CCC</b>         |
|-------------------|-------------|------------------|---------------|-------------|---------------|-----------------------|---------------|--------------|-------------------------|
| Center Wavelength | Attenuation | Configuration    | Average Power | Peak Power  | Package       | Fiber Type            | Fiber Sleeve  | Fiber Length | Connector Type          |
| 850-850nm         | 01- 1dB     | Y-Y Type         | 03-300mW      | 01-100W     | M-Metal Box   | 7-780HP Fiber         | B- Bare fiber | 05-0.5m      | N-Without Connector     |
| 830-830nm         | 05- 5dB     | Blank for D Type | 1- 1W         | 1- 1kW      | Blank for SST | Blank for HI780 Fiber | L- Loose Tube | 10-1.0m      | FC/APC=FC/APC Connector |
| 808-808nm         | 10- 10dB    |                  | 5- 5W         | 5- 5kW      |               |                       | 2- 2mm Cable  | 15-1.5m      | LC/PC=LC/PC Connector   |
| 780-780nm         | 15- 15dB    |                  | 10-10W        | 10-10kW     |               |                       | 3- 3mm Cable  | 20-2.0m      | SC/UPC=SC/UPC Connector |