

## 0402 1550 nm Devices

W9402-S



### 1570 nm SM FBG

The fiber bragg grating (FBG) temperature sensor is designed to accurately monitor temperature based on the high sensitivity of the fiber grating to the temperature. Fiber bragg grating temperature sensors can be used for along time to detect bridges, dams, tunnels, oil tanks, power plants and so on.

#### FEATURES

- Rapid Response
- High Stability and Reliability
- Free from Lightning and Magnetic-field Interference

#### USE IN

- Detection of Tank Temperature
- Temperature Monitoring in Hazardous Areas
- Temperature Monitoring and Fire Alarm of Cable Tunnel in Power Plant and Metallurgical Enterprise

|                        |                     |
|------------------------|---------------------|
| Center Wavelength      | 1570±0.5 nm         |
| Temperature Resolution | 0.1°C               |
| Temperature Accuracy   | 1°C                 |
| Temperature Range      | -20°C to 80°C       |
| Dimension              | 8x8x120 mm          |
| Cable Type             | φ3 mm Armored Cable |
| Package Type           | Ceramic Package     |

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**