

## Sensing Fiber Bragg Grating

### Product Features

- High stability and reliability
- Length Customized grating
- High SLSR

### Product Applications

- Civil Construction
- Power Station
- Fiber Sensors
- Oil & Gas

## Specifications

| Parameter            | Unit | Value   |      |      |      |
|----------------------|------|---|------|------|------|
| Center Wavelength    | nm   | 1510 ~ 1590   |      |      |      |
| FBG Profile          |      | Apodized  |      |      |      |
| Wavelength Tolerance | nm   | ±0.3  |      |      |      |
| FBG Length           | mm   | 3   | 5    | 10   | 15   |
| Reflectivity         | --   | ≥70%  | ≥75% | ≥90% | ≥90% |
| Bandwidth at -3dB    | nm   | ≤0.7  | ≤0.7 | ≤0.3 | ≤0.3 |
| SLSR                 | dB   | ≥15   |      |      |      |
| Recoating            |      | Acrylate Or Polyimide                               |      |      |      |
| Proof Test           | Kpsi | ≥100  |      |      |      |
| Fiber Type           | --   | SMF-28e Or Polyimide Fiber(OFS BF04446)             |      |      |      |
| Fiber Termination    |      | Bare Fiber, FC/UPC, Or FC/APC                       |      |      |      |
| Pigtail Length       | --   | 1 meter (Typical)                                   |      |      |      |
| Operating Temp.      | °C   | SMF-28 fiber: -20 ~ 80; Polyimide Fiber: -40 ~ 300  |      |      |      |
| Storage Temp.        | °C   | SMF-28 fiber: -40 ~ 120; Polyimide Fiber: -40 ~ 300 |      |      |      |