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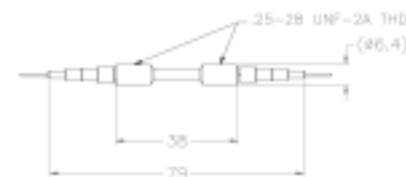
2012A FBG TEMPERATURE SENSOR

- Detachable and reusable when used with mounting brackets
- EMI resistant
- Ruggedly packaged in mechanical housings; suitable for indoors or outdoors
- Compact design and flexible configuration

The Fibera **FBG Temperature Sensor (FBTS)** is ruggedly packaged in a mechanical housing. When used with mounting brackets, the sensors are detachable and reusable, making the sensors very versatile comparing to conventional electrical or optical based designs. These sensors can be operated under harsh environmental conditions and be embedded in various kinds of structure members. It's also applicable for downhole applications. The FBTS is ideal for remote sensing / calibration. Its compact form factor allows users to install these sensors in places that have stringent dimensional constraints.

SPECIFICATIONS

| Parameters | Specifications |
|-----------------------|-------------------------|
| Dimensions | 79mm long x 6.4mm dia. |
| Operation Range | 1520 – 1620nm |
| Center Wavelength | ± 0.1nm |
| Bandwidth | ≤ 0.2nm |
| Contrast | > 30 dB |
| Frequency Shift / °C | 1.9GHz / 15.4pm |
| Resolution | 0.1°C |
| Reflectivity | > 90% |
| Fiber Type | SMF – 28 |
| Package | Loose tube/or 3mm cable |
| Storage Temperature | -40°C to 85°C |
| Operating Temperature | -5°C to 70°C |
| Pigtail Length | 1.5m |



Mechanical Dimensions

