

## Fiber Bragg Grating (FBG) – Phase Shift (1510-1590nm)

### Specifications

Contact Hengyan Photonics with your custom specification needs.

| Parameter                                   |          |     | Unit | Value        |
|---------------------------------------------|----------|-----|------|--------------|
| Wavelength                                  |          |     | nm   | 1510-1590    |
| Wavelength deviation                        |          |     | nm   | ±0.5         |
| Reflectivity                                |          |     | %    | 1-99         |
| 3dB bandwidth of phase shift (Transmission) |          |     | nm   | 0.01-0.05    |
| Phase shift                                 |          |     | -    | $\pi/2, \pi$ |
| Side mode suppression ratio                 | Apodized | Min | dB   | 15           |
|                                             | Uniform  | Min | dB   | 8            |
| FBG length                                  |          |     | mm   | 5-10         |
| Fiber type                                  |          |     | -    | SMF-28       |

### Ordering Information

Contact Hengyan Photonics with your custom configuration needs.

| FBG-P | Wavelength  | Bandwidth (3dB) | Profile    | Grating (G or R)  | Coating    | Phase shift | Fiber Type     | Fiber Length | Connector |
|-------|-------------|-----------------|------------|-------------------|------------|-------------|----------------|--------------|-----------|
| FBG-P | 1510=1510nm | 0002=0.02nm     | A=Apodized |                   | A=Acrylate | 1= $\pi/2$  | B=SMF-28 250um | 10=1.0m      | NE= None  |
|       | 1530=1530nm | 0003=0.03nm     | U=Uniform  |                   | N=Uncoated | 2= $\pi$    | L=SMF-28 900um | 15=1.5m      | FA=FC/APC |
|       | 1550=1550nm |                 |            | <b>Length</b>     | G=Glass    |             |                | 20=2.0m      | FC=FC/PC  |
|       | 1570=1570nm | X=Others        | X=Others   | G2=2mm            |            | X=Others    | X=Others       | 30=3.0m      | SA=SC/APC |
|       | X=Others    |                 |            | G3=3mm            | X=Others   |             |                | X=Others     | SC=SC/PC  |
|       |             |                 |            | GX=Xmm            |            |             |                |              | ST=ST/PC  |
|       |             |                 |            | <b>Reflection</b> |            |             |                |              | LA=LC/APC |
|       |             |                 |            | R25=25%           |            |             |                |              | LC=LC/PC  |
|       |             |                 |            | R75=75%           |            |             |                |              | X=Others  |
|       |             |                 |            | RX=X%             |            |             |                |              |           |

### Sample Curve

FBG-P-1550.12-0002-A-G10-R90-A-1-B-10-NE

