# Light Blocking Element

(Protected by US patents pending)

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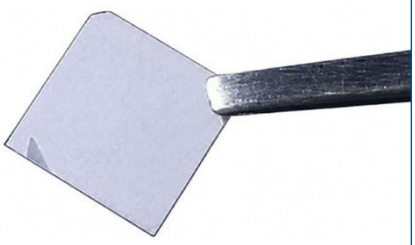

The LBEL is a passive small optical element specifically designed for use in a wide range of Agiltron fiber-optic components to block, reflect, or redirect optical signals. It is optimized for applications requiring compact size, high reliability, and precise optical performance. The design is simple and cost-effective, and it is fully compatible with high-volume wafer fabrication and automated assembly processes, enabling economical mass production while maintaining consistent quality and performance.

## Features

- Compact
- High Reliability
- Low IL, PDL, WDL & TDL
- Intrinsic tolerance to ESD

## Specifications

| Parameter | Min | Typical | Max | Unit |
|---|---|---|---|---|
| Blocker Size | 1.4 | | 2 | mm |
| Optical Power Handling | | 400 | | mW |
| Wavelength | 400 | 1550 | 2600 | Ohm |
| Angle | 0 | | 45 | ° |
| Operating Temperature | -5 | | 75 | °C |
| Storage Temperature | -40 | | 85 | °C |

## Applications

- Optical Components
- Instrumentation

RoHS COMPLIANT

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Rev 11/06/26

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## Dimension

## Ordering Information (Part Number)

| | ☐ | ☐☐ | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ |
|---|---|---|---|---|---|---|---|
| **Prefix** | **Wavelength** | **Size** | **Grove** | **Type** | **Configuration** | **Transmission** | **Package** |
| **LBEL-** | 1550 = 5<br>1310 = 3<br>1260–1650 = A<br>1850–2200 = 2<br>960–1080 = 1<br>720–980 = 8<br>620–650 = 6<br>440–650 = 5<br>350–530 = 4<br>Broad Band = B | 0.55mm = 55<br>0.35mm = 35<br>1.9mm = 19<br>2.0mm = 20<br>1.4mm = 14<br>N/A = NN | 125 µm = 1<br>250 µm = 2<br>450 µm = 4<br>N/A = N | VOA = VOAC<br>ATHENA = ATHE<br>FFVOA PM = FVOP<br>FFVOA SM = FFVOS<br>MANUAL VOA = MVOA<br>TAP MONITOR = TMIT<br>SWITCH 1x2 PM = SWPM<br>SWITCH 1x2 SM/MM = SWSM<br>SWITCH 5x6 = SW56<br>SWITCH 3x4 = SW34<br>SWITCH 2x3 = SW23<br>LBSW = LBSW<br>V500-4 = V500<br>POLARIZ = PLOR<br>K-II 1550 = KII5<br>K-11 1310 = KII3<br>Latch MEMS Switch = 1DMS | LATCH = L<br>NLATCH = N<br>N/A = 1 | Transparent = 1<br>Opaque = 2<br>N/A = N | Bare = 2<br>Sub-mount = 1<br>Special = 0 |



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