

1064 nm Isolator Polarization Beam Combiner/Splitter (DL-IPBCS-UU-V-W-X-Y-Z)

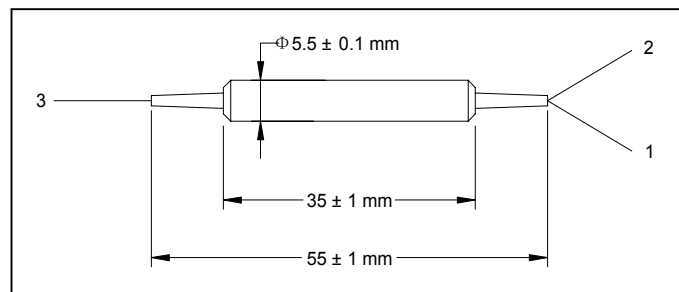
The 1064 nm Isolator Polarization Beam Combiner/Splitter is a compact device which provides both polarization beam combining and optical isolation function in one integrated device. The most basic application is to combine the light of two pump lasers into a single fiber to double the pump power.

A. Specifications

| Parameter | Single Stage | Unit |
|-------------------------------------------|--------------|------|
| Center Wavelength (λ_c) | 1064 | nm |
| Max. Insertion Loss, 23 °C | 2.1 | dB |
| Min. Isolation, 23 °C | 23 | dB |
| Min. Extinction Ratio (for splitter only) | 20 | dB |
| Min. Return Loss | 50 | dB |
| Directivity | 50 | dB |
| Max. Optical Power (Continuous Wave) | 300 | mW |
| Operating Temperature | -5 to +50 | °C |
| Storage Temperature | -40 to +85 | °C |

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.
 Connector key is aligned to slow axis.

B. Package Dimensions



C. Ordering Information DL-IPBCS-UU-V-W-X-Y-Z

| | | | |
|-----------------|-------------------|----------------------------|-------------------------------------|
| UU: Wavelength | V: Connector Type | W: Fiber Type (PM 980) | X: Fiber Type for Port 3 |
| 06 - 1064 nm | 1 - FC/UPC | B - 250 μ m bare fiber | 1 - HI 1060 fiber |
| SS - Specify | 2 - FC/APC | L - 900 μ m loose tube | 2 - Slow axis aligned 45° to Port 1 |
| | 3 - SC/UPC | S - Specify | 3 - Slow axis aligned to Port 1 |
| | 4 - SC/APC | | S - Specify |
| | N - None | | |
| Y: Fiber Length | Z: Type | | |
| Q - 0.75 m | 1 - Combiner | | |
| S - Specify | 2 - Splitter | | |