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

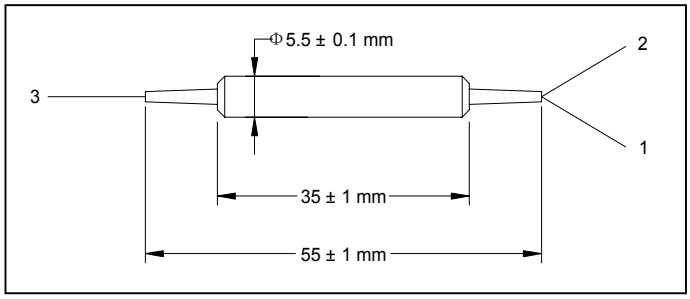
The 1064 nm Isolator Polarization Beam Combiner/Splitter is a compact device which provides both polarization beam combining and optical isolation function in one integrated device. The most basic application is to combine the light of two pump lasers into a single fiber to double the pump power.

A. Specifications

Parameter	Single Stage	Unit
Center Wavelength (λc)	1064	nm
Max. Insertion Loss, 23 ℃	2.1	dB
Min. Isolation, 23 ℃	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	℃
Storage Temperature	-40 to +85	℃

*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
06 - 1064 nm
SS - Specify

V: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None

W: Fiber Type (PM 980)
B - 250 μm bare fiber
L - 900 μm loose tube
S - Specify

X: Fiber Type for Port 3
1 - HI 1060 fiber
2 - Slow axis aligned 45° to Port 1
3 - Slow axis aligned to Port 1
S - Specify

Y: Fiber Length
Q - 0.75 m
S - Specify

Z: Type
1 - Combiner
2 - Splitter