

## High Power Laser Polarizing Cube Beamsplitters

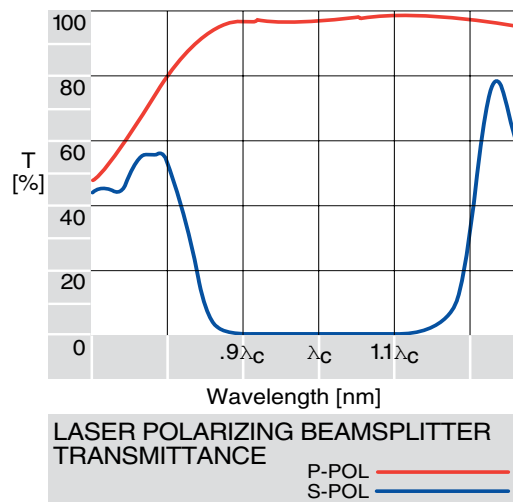
- Thin film polarizers optimized for use at popular laser wavelengths
- Transmittance p-polarization  $\leq 97\%$
- High Power Polarizing Cube Beamsplitters have greater durability than standard laser polarizing cube beamsplitters
- Multilayer high efficiency narrowband Anti-Reflection coatings on all faces



Spherical Lenses  
Cylindrical Lenses  
Lens Kits  
Achromatic Doublets  
Multi-Element  
Micro Optics  
Mirrors  
Prisms  
Substrates & Windows  
**Beamsplitters**  
Polarizers  
Filter & Apertures

### Specifications & Tolerances

Dimensions:  $\pm 0.2\text{mm}$   
 Surface flatness:  $\lambda/4$   
 Beam deviation:  $\leq 10\text{arcmin}$   
 Asymmetry:  $1^\circ$   
 Surface quality: 40-20  
 Material: BK7, SFS  
 Coating: Narrowband multilayer  
 Anti-Reflection on faces  
 Extinction ratio:  $T_s / (T_s + R_s) = 1/400$   
 Transmittance of p-polarization  $\geq 97\%$   
 Damage threshold: 355nm 2J/cm<sup>2</sup>  
 1064nm 7J/cm<sup>2</sup>



## High Power Laser Polarizing Cube Beamsplitters

Wavelength Range (nm)	Cube Side, a (mm)	Material	Surface Flatness	Price	PART NUMBER
355	10.0	SFS	$\lambda/4$		067-3100
355	15.0	SFS	$\lambda/4$		067-3110
355	20.0	SFS	$\lambda/4$		067-3120
532	10.0	BK7	$\lambda/4$		067-3130
532	15.0	BK7	$\lambda/4$		067-3140
532	20.0	BK7	$\lambda/4$		067-3150
1064	10.0	BK7	$\lambda/4$		067-3160
1064	15.0	BK7	$\lambda/4$		067-3170
1064	20.0	BK7	$\lambda/4$		067-3180

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&  
TECHNICAL SUPPORT  
(949) 851-5881  
FAX (949) 851-5058  
E-MAIL  
sales@optosigma.com  
WEB  
www.optosigma.com