



BRD Optical Co.,Ltd

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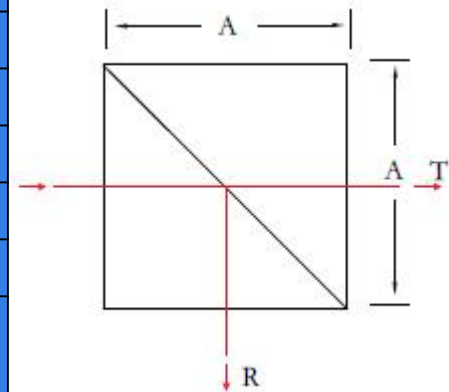
Polarizing Beamsplitters

Description:

The coatings have been designed to hold both the s- and p-polarization components to the same ratio of reflection-to-transmission over a specific laser wavelength region. This means that they will not change the state of polarization of the incident beam. The low polarization dependence of the metallic-dielectric coating allows the transmission and reflection for S- and P-polarization states to be within 6% of each other. All entrance and exit surfaces are coated with a high efficiency, narrowband, anti-reflection coating. We offer both broadband and single wavelength non-polarizing beamsplitters.

Capability

Item	Commercial	High Precision
Material:	N-BK7; Fused Silica	
Dimension X×Y:	1×1mm~25.4×25.4mm	
Dimension tolerance:	±0.1mm	±0.03mm
Parallelism:	<20 seconds	<5 seconds
Clear Aperture:	85%	
Surface Quality:	MIL60-40	MIL20-10
Flatness(per 25.4mm):	$\lambda/4@ 632.8\text{nm}$	$\lambda/10@ 632.8\text{nm}$
T/R(for random polarization) $T=(T_s+T_p)/2$; $R=(R_s+R_p)/2$:	50/50±5%	50/50±2%
Bevel(face width×45°) :	Protective bevel or specified by customer	
Coating:	Range of the wavelength specified by customer	



BRD Optical supply customer lens design and assemble etc.

Welcome come to inquiry by usasales@brdoptical.com

