

DATA SHEET

BROADBAND POLARIZING CUBE BEAMSPLITTER

Description: Separates a beam of light into two separate beams.

ID	2137	
Reflection/Transmission	50/50 ± 7%	
Wavelength Range	400-750nm	
Dimensional Tolerances	±0.2mm	
Angle Tolerances	±5arcmin	
Surface Quality (Scratch/Dig)	60-40	
Surface Accuracy	1/2 λ	
Bevel	0.3mm x 45°	

Material Optical Glass H-K9L	
ROHS	Compliant
n_d	1.51680
v_d	64.20
n_e	1.51872
v_e	64.0

Thermal Properties	
α (-60...20 °C) (10⁻⁷/K)	75
α (20...300 °C) (10⁻⁷/K)	82

Coloration Code	
λ₈₀/λ₅	33/29

Mechanical Properties	
H_K (10⁷Pa)	595
F_A	1.00
E (10⁷Pa)	7920
G (10⁷Pa)	3270
μ	0.211
ρ (g/cm³)	2.52

