

DATA SHEET

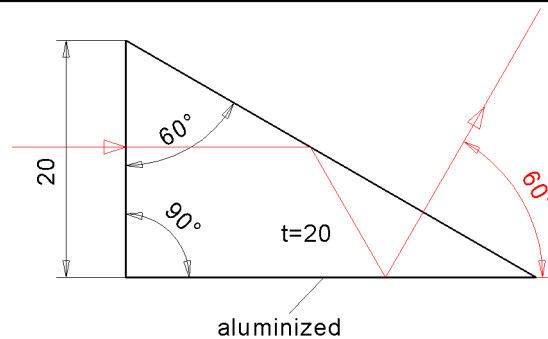
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60° PRISM

Description: Changes the direction of the beam 60°. The Image is not inverted or reversed.

Application: Used in microscopes to deviate the line of sight.

Wavelength Range (λ)	400-1100nm
Dimensional Tolerances	± 0.1 mm
Weight	18g
Angle Tolerances	± 10 arcmin
Surface Quality (Scratch/Dig)	60-40
Surface Accuracy	1 λ
Bevel	0.3mm x 45°
One side aluminized and coated with black paint. The paint is not solvent-resistant.	



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	
λ_{80}/λ_{5}	33/29

Mechanical Properties	
H_K (10^7 Pa)	595
F_A	1.00
E (10^7 Pa)	7920
G (10^7 Pa)	3270
μ	0.211
ρ (g/cm ³)	2.52