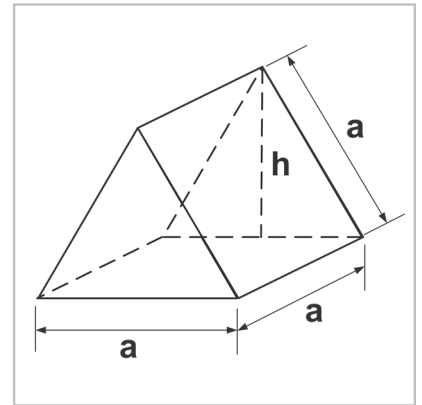


Equilateral Dispersion Prisms

Equilateral dispersion prisms are known for their separation of polychromatic light into its frequency components.

The surfaces where the beam enters and exits this type of prism are normally AR coated.

When requesting a quotation, kindly state the angle of incidence as well as the wavelength of your laser in order to guarantee an optimal coating.



Nomenclature

EDP	-25.0	-C
Product code (Equilateral Dispersing Prism)	Dimension a in mm	Material code C: BK7 SF: SF10

Specifications

Material	BK7, SF 10
Dimension tolerance	+ 0.00 mm; - 0.20 mm
Angle tolerance	± 3 arcmin
Surface figure	3/0.25 according to ISO 10110 $\lambda/8$ according to MIL-O-1380A
Surface quality	5/4 x 0.063 for 1.0" substrates according to ISO 10110 20-10 according to MIL-O-1380A
Protective chamfer	0.2 - 0.4 mm x 45°
Clear aperture	85 % of the dimensions

Part No.	Dimension a [mm]	Altitude h [mm]	Material
EDP-20.0-C	20.00	16.2	BK7
EDP-25.0-C	25.00	20.2	BK7
EDP-50.0-C	50.00	40.4	BK7
EDP-30.0.SF *	30.00	24.3	SF10
EDP-60.0SF *	60.00	48.5	SF10

*) surface quality 40-20

Other sizes and materials are available upon request.

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