



Products

OPTICS

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- **Prisms**
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EYE PROTECTION

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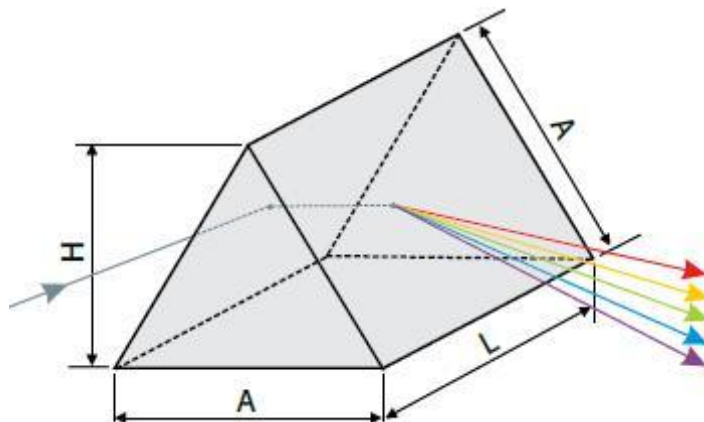
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Home > Prisms > 14DP - Dispersing Prisms



- Separates light by wavelength

- Various dielectric coatings can be deposited upon request

Dispersing prisms are used for wavelength separation applications. A light ray is twice refracted passing through the prism. Deviation is a function of refractive index, and hence wavelength.

Dispersing Prisms

Material	Side length	Thickness	Apex angle	Maximum input beam diameter	Ordering code
BK7	15 mm	10 mm	67°	6.0 mm	14DP-1-1
BK7	25 mm	18 mm	67°	12.0 mm	14DP-2-1
BK7	50 mm	25 mm	67°	22.0 mm	14DP-3-1
UVFS	15 mm	10 mm	69°	6.0 mm	14DP-1-2
UVFS	25 mm	18 mm	69°	12.0 mm	14DP-2-2
UVFS	50 mm	25 mm	69°	22.0 mm	14DP-3-2
SF11	15 mm	10 mm	59°	6.0 mm	14DP-1-3
SF11	25 mm	18 mm	59°	12.0 mm	14DP-2-3
SF11	50 mm	25 mm	59°	22.0 mm	14DP-3-3

Standard Specifications

Material	BK7, UVFS, SF11
Surface Quality	40-20 scratch & dig
Flatness	$\lambda/4$ @ 633 nm
Angle Tolerance	± 2 arcmin
Design Wavelength	800 nm
Coatings	None. Please refer to Coatings Section

Related Products and Accessories

[50M37-20 Two Angular Fine Adjustment Mounts](#)[5PM131 Prism/Optics Mount](#)

Ordering

BK7 Dispersing Prisms	▼	1	
UVFS Dispersing Prisms	▼	1	
SF11 Dispersing Prisms	▼	1	

