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Polarizing Beamsplitter (PBS) Cubes



PBS Cubes are designed to separate high power laser beam polarizations into S and P components. High Energy and broadband options available.

Price typically from 100 €
Delivery
Stock 1-3 days
Manufacturing 4-6 weeks

Standard PBS Cubes - glued

Extinction Ratio (Tp/Ts) >500:1

Laser Induced Damage Threshold (LIDT) >0.25 J/cm² @ 1064 nm, 10 ns, 10 Hz

Polarization Rs>99.5%; Tp>97%

High Energy PBS Cubes - bonded

Extinction Ratio (Tp/Ts) >1000:1

Laser Induced Damage Threshold (LIDT) 15 J/cm² @ 1064 nm, 10 ns, 10 Hz

Polarization Rs>99.5%; Tp>97% (Tp>96% for UV)

Broadband PBS Cubes - glued or bonded

Extinction Ratio (Tp/Ts) >250:1

Laser Induced Damage Threshold (LIDT) >0.25-5-15 J/cm² @ 1064 nm, 10 ns, 10 Hz

Polarization Rs>99.5%; Tp>97% (Tp>96% for UV)