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TECHSPEC[®] 25.4mm Dia., 532 & 1064nm T, 266nm R 45° Harmonic Separator



TECHSPEC Nd:YAG Harmonic Separators

Stock **#11-546** [CONTACT US](#)

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1

+

₹31,410

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Volume Pricing	
Qty 1-5	₹31,410 each
Qty 6-24	₹28,260 each
Qty 25-49	₹25,110 each
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General

Harmonic Beamsplitter

Type:

Physical & Mechanical Properties

>90

Clear Aperture (%):

Dichroic

Construction:

25.40 +0.00/-0.10	Diameter (mm):
<3	Parallelism (arcmin):
6.35 ±0.20	Thickness (mm):
Optical Properties	
45	Angle of Incidence (°):
Coating Specification: Surface 1: R _{abs} : >95% @ 266nm, T _{abs} : >98% @ 532nm, T _{abs} : >98% @ 1064nm Surface 2: R _{abs} : <1.0% @ 532nm, R _{abs} : <1.0% @ 1064nm	
266	Reflection Wavelength (nm):
Fused Silica (Corning 7980)	Substrate: ☐
λ/10	Surface Flatness (P-V):
10-5	Surface Quality:
532, 1064	Transmission Wavelength (nm):
Damage Threshold, By Design: ☐ Surface 1: 1 J/cm ² @ 266nm, 20ns, 20Hz 5 J/cm ² @ 532nm, 20ns, 20Hz 7.5 J/cm ² @ 1064nm, 20ns, 20Hz Surface 2: 10 J/cm ² @ 20ns, 20Hz @ 532nm 15 J/cm ² @ 20ns, 20Hz @ 1064nm	
Regulatory Compliance	
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Used to Separate Nd:YAG Harmonic Wavelengths
 - Beamsplitter Coating Features >95% Transmission
 - λ/10 Fused Silica Substrate
- TECHSPEC® Nd:YAG Harmonic Separators are used to separate the common harmonic wavelengths of an Nd:YAG laser. A beamsplitter coating on the first surface reflects at least one wavelength and transmits another. The second surface of the beamsplitter features an anti-reflective coating to minimize the loss due to reflection. TECHSPEC Nd:YAG Harmonic Separators are available in 45° and 0° angle of incidence options. These harmonic separators are available in multiple wavelength configurations for optimal flexibility in system design.
- Note:** The Damage Threshold values we publish for this family of products were all tested independently from one another. When using these products with more than 1 incident beam, the resulting Damage Threshold of the system will be negatively impacted.

Compatible Mounts