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TECHSPEC[®] 12.7mm Dia., 355nm T, 532nm R 45° Thin Harmonic Separator



TECHSPEC Nd:YAG Harmonic Separators

Stock **#29-046** **13 In Stock**

-

1

+

MRP ₹21,983

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹21,983 each
Qty 6-24	₹19,753 each
Qty 25-49	₹17,629 each
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General

Laser Window Substrate

Type:

Physical & Mechanical Properties

90

Clear Aperture (%):

Construction:

Dichroic	
	Diameter (mm):
12.70 +0.00/-0.10	
	Parallelism (arcmin):
<3	
	Thickness (mm):
3.18 ± 0.20	

Optical Properties

	Angle of Incidence (°):
45	
	Coating Specification:
Surface 1: R _{abs} : >99% @ 532nm, T _{abs} : >95% @ 355nm	
Surface 2: R _{abs} : <0.5% @ 355nm	
	Reflection Wavelength (nm):
532	
	Substrate: ☐
Fused Silica (Corning 7980)	
	Surface Flatness (P-V):
λ/10	
	Surface Quality:
10-5	
	Transmission Wavelength (nm):
355	
	Damage Threshold, Reference: ☐
Surface 1: 5 J/cm ² @ 532nm, 20ns, 20Hz 2.5 J/cm ² @ 355nm, 20ns, 20Hz	
Surface 2: 7.5 J/cm ² @ 355nm, 20ns, 20Hz	

Regulatory Compliance

	Certificate of Conformance:
View	
	Country of Origin:
United States	
	Imported By:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	

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.