

TECHSPEC[®] 12.7mm Dia., 532nm T, 1064nm R 45° Thin Harmonic Separator



TECHSPEC Nd:YAG Harmonic Separators

Stock **#29-054** **14 In Stock**

-

1

+

MRP ₹28,568

 Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹28,568 each
Qty 6-24	₹25,700 each
Qty 25-49	₹22,833 each
Need More?	Request Quote

Product Downloads

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% @ 1064nm, T _{abs} : >95% @ 532nm	
Surface 2: R _{abs} : <0.5% @ 532nm	
	Reflection Wavelength (nm):
1064	
	Substrate: ☐
Fused Silica (Corning 7980)	
	Surface Flatness (P-V):
λ/10	
	Surface Quality:
10-5	
	Transmission Wavelength (nm):
532	
	Damage Threshold, By Design: ☐
Surface 1:	
7.5 J/cm ² @ 1064nm, 20ns, 20Hz	
7.5 J/cm ² @ 532nm, 20ns, 20Hz	
Surface 2:	
10 J/cm ² @ 532nm, 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.