

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



TECHSPEC Nd:YAG Harmonic Separators

Stock **#11-548** **1 In Stock**

-

1

+

£304⁰⁰

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Volume Pricing	
Qty 1-5	£304.80 each
Qty 6-24	£274.40 each
Qty 25-49	£244.00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Harmonic Beamsplitter

Type:

Physical & Mechanical Properties

>90

Clear Aperture (%):

Construction:

Dichroic	
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} : >99% @ 532nm, R _{abs} : >99% @ 1064nm, T _{abs} : >70% @ 266nm
	Surface 2: R _{abs} : <1.0% @ 266nm

532, 1064	Reflection Wavelength (nm):
	Substrate: ☐
Fused Silica (Corning 7980)	

λ/10	Surface Flatness (P-V):
	Surface Quality:
10-5	

266	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:
	1 J/cm ² @ 20ns, 20Hz @ 266nm

Regulatory Compliance

	Certificate of Conformance:
View	

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