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TECHSPEC 12.7mm Dia., 355nm T, 266nm R 45° Harmonic Separator

TECHSPEC Nd:YAG Harmonic Separators

Stock **#37-722** **20+ In Stock**

- 1 + **€294.00**

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Volume Pricing	
Qty 1-5	**€294,00** each
Qty 6-24	**€264,00** each
Qty 25-49	**€235,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Harmonic Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

>85

Construction:

Dichroic

Diameter (mm):
12.70 +0.00/-0.10

Parallelism (arcmin):
<3

Thickness (mm):
6.35 ±0.20

Optical Properties

Angle of Incidence (°):
45

Coating Specification:
Surface 1: R_{abs}: >99% @ 266nm, T_{abs}: >95% @ 355nm
Surface 2: R_{abs}: <0.5% @ 355nm

Reflection Wavelength (nm):
266

Substrate:
Fused Silica (Corning 7980)

Surface Flatness (P-V):
λ/10

Surface Quality:
10-5

Transmission Wavelength (nm):
355

Damage Threshold, By Design:
Surface 1:
1 J/cm^2 @ 266nm, 20ns, 20Hz
2.5 J/cm^2 @ 355nm, 20ns, 20Hz
Surface 2:
7.5 J/cm^2 @ 355nm, 20ns, 20Hz

Regulatory Compliance

RoHS 2015:
Compliant

Reach 209:
Compliant

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

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