

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



TECHSPEC Nd:YAG Harmonic Separators

Stock #37-720 **20+ In Stock**

A\$361⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | A\$361.60 each |
| Qty 6-24 | A\$324.80 each |
| Qty 25-49 | A\$289.60 each |
| Need More? | Request Quote |

Product Downloads

General

Harmonic Beamsplitter **Type:**

Physical & Mechanical Properties

>85 **Clear Aperture (%):**

Dichroic **Construction:**

| | |
|--|--|
| 12.70 +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% @ 355nm, T _{abs} : >95% @ 532nm Surface 2: R _{abs} : <0.5% @ 532nm | |
| 355 | Reflection Wavelength (nm): |
| Fused Silica (Coming 7980) | Substrate: <input type="checkbox"/> |
| λ/10 | Surface Flatness (P-V): |
| 10-5 | Surface Quality: |
| 532 | Transmission Wavelength (nm): |
| Damage Threshold, By Design: <input type="checkbox"/> Surface 1: 2.5 J/cm ² @ 355nm, 20ns, 20Hz 5 J/cm ² @ 532nm, 20ns, 20Hz Surface 2: 10 J/cm ² @ 532nm, 20ns, 20Hz | |
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| Compliant | Reach 209: |
| View | Certificate of Conformance: |

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