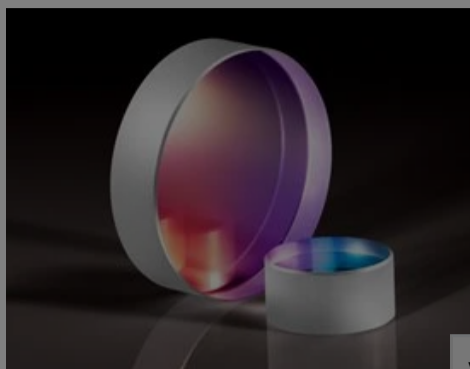


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TECHSPEC®

25.4mm Dia., 532nm



TECHSPEC Nd:YAG Harmonic Separator

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€381^{.00}

ADD TO CART

Volume Pricing	
Qty 1-5	€381,00 each
Qty 6-24	€343,00 each
Qty 25-49	€305,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Harmonic Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%): >90

Construction: Dichroic

Diameter (mm): 25.40 +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}: >95% @ 266nm, T_{abs}: >98% @ 532nm, T_{abs}: >98% @ 1064nm
Surface 2: R_{abs}: <1.0% @ 532nm, R_{abs}: <1.0% @ 1064nm

Reflection Wavelength (nm): 266

Substrate: [Fused Silica](#) (Corning 7980)

Surface Flatness (P-V): λ/10

Surface Quality: 10-5

Transmission Wavelength (nm): 532, 1064

Damage Threshold, By Design: Surface 1: 1 J/cm² @ 266nm, 20ns, 20Hz
5 J/cm² @

532nm, 20ns,
20Hz
7.5 J/cm² @
1064nm, 20ns,
20Hz

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Regulatory Compliance

Certificate of Conformance: [View](#)

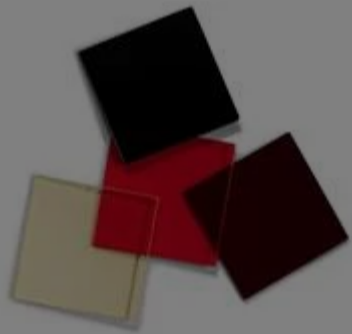
Product Details

- Used to Separate Nd:YAG Harmonic Wavelengths
- Beamsplitter Coating Features >95% Transmission
- $\lambda/10$ 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.

Frequently Purchased Together



#32-759 - SCHOTT RG-850, 25.4mm Dia., 3mm Thick, Colored Glass Longpass Filter
€65,00

Qty



#34-299 - 350nm 25mm Dia., High Performance Longpass Filter
€275,00

Qty



#45-334 - 25 x 25mm UV Enhanced Aluminum, $\lambda/4$ Mirror
€80,00

Qty
















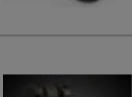

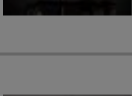

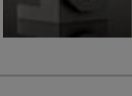















#45-337 - 50 x 50mm UV Enhanced Aluminum, $\lambda/4$ Mirror
€134,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.4mm Optic Dia., Thin Mirror Mount, M4	Fixed		#13-590	€20,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.4mm Optic Dia., Thin Mirror Mount, 8-32	Fixed		#13-591	€21,00 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.4mm Optic Dia., 10mm Max	Fixed		#64-561	€32,75 Request	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 Optic Thickness, Optic Mount				Quote	
MORE+	 25.4mm Optic Dia., 13mm Optic Thickness, Optic Mount					20+ In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 Request Quote	10 In Stock <input type="text" value="1"/> 
MORE+	 2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	€95,95 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	€98,50 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	€107,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 Request Quote	5 In Stock <input type="text" value="1"/> 

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	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws				€121,00	4 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, Tip-Tilt, 3-Screws	Tip-Tilt			Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	€336,00 Request Quote	14 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#55-456	€361,00 Request Quote	3 In Stock <input type="text" value="1"/>
MORE+	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	2 In Stock <input type="text" value="1"/>

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