

TECHSPEC®

25.4mm Dia., 532nm T, 1064nm R 45° Harmonic Separator



TECHSPEC Nd:YAG Harmonic Separator

Stock #37-698 **20+ In Stock**

1

MRP ₹30,469

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹30,469 each
Qty 6-24	₹27,442 each
Qty 25-49	₹24,415 each
Need More?	Request Quote

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 (%): >85

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}: >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/cm² @ 1064nm, 20ns, 20Hz
7.5 J/cm² @ 532nm, 20ns, 20Hz
Surface 2: 10 J/cm² @ 532nm, 20ns, 20Hz

Regulatory Compliance

RoHS 2015: Compliant	Reach 209: Compliant
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
- $\lambda/10$ 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



#32-477 - 25.0mm Dia. x 50.0mm FL Uncoated, Plano-Convex Lens
₹3,305



#32-481 - 25.0mm Dia. x 100.0mm FL Uncoated, Plano-Convex Lens
₹3,305






































#32-494 - 25mm Dia. x 150mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹12,309




















#32-527 - 30mm, Uncoated, N-BK7 Right Angle Prism
₹10,896

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.4mm Optic Dia., Thin Mirror Mount, M4	Fixed		#13-590	₹2,018 Request Quote	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+	25.4mm Optic Dia., Thin Mirror Mount, 8-32	Fixed		#13-591	₹2,119 Request Quote	CONTACT US <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	₹2,119 Request Quote	2 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	₹2,119 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	₹3,305 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	₹3,305 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	₹4,388 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	₹6,357 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	₹6,861 Request Quote	9 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	₹7,164 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	₹8,374 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	₹9,938 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	₹10,190 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	₹10,291 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	₹10,694 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	₹10,796 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	₹10,896 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	₹11,501 Request Quote	1 In Stock <input type="text" value="1"/> 
MORE+ 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> 
	4.0 - 36.0mm Optic Dia., Self	Fixed		#16-077	₹15,840 Request	6 In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	Centering Jaw Clamp				Quote	
MORE+ 	25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	₹16,244 Request Quote	4 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	₹18,362 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	₹27,846 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	₹33,899 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	₹36,422 Request Quote	3 In Stock <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 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	₹54,481 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	₹76,173 Request Quote	2 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary

APPLICATION NOTE

An Introduction to Optical Coatings

CASE STUDIES

Laser Optics for Eye Surgery

CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

APPLICATION NOTE

Homogeneity and Scatter from Inclusions and Bubbles

APPLICATION NOTE

Thermal Properties of Optical Substrates

WEBINARS

The Ultimate Guide to Beamsplitters

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