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TECHSPEC® 19.1mm Dia. 1064nm, Nd:YAG Laser Line Beam Sampler



TECHSPEC® Nd:YAG Laser Line Beam Samplers

Stock **#39-015** **20+ In Stock**

1 MRP ₹15,941

Price inclusive of all taxes

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Qty 1-5	₹15,941 each
Qty 6-25	₹14,831 each
Qty 26-49	₹13,217 each
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General

Beam Sampler **Type:**

Physical & Mechanical Properties

90 **Clear Aperture (%):**

Diameter (mm):

19.10 +0.00/-0.10

<3 **Parallelism (arcmin):**

6.35 ±0.20 **Thickness (mm):**

Optical Properties

0 ±5 **Angle of Incidence (°):**

Laser V-Coat (1064nm) **Coating:**

$R_{\text{abs}} < 0.25\%$ @ 1064nm **Coating Specification:**

1064 **Design Wavelength DWL (nm):**

1.458 **Index of Refraction (n_d):**

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

$\lambda/10$ **Surface Flatness (P-V):**

10-5 **Surface Quality:**

15 J/cm² @ 1064nm, 20ns, 20Hz **Damage Threshold, By Design:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 209:**

[View](#) **Certificate of Conformance:**

United States **Country of Origin:**

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 **Imported By:**

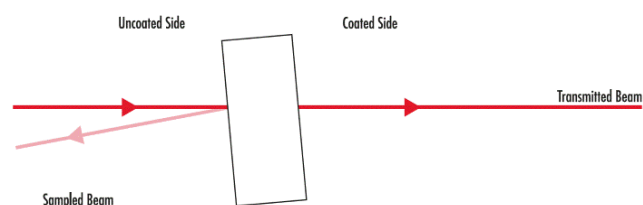
Product Details

- Uncoated First Surface Provides Fresnel Reflection
- High Laser Damage Threshold Coating on One Surface
- 10-5 Surface Quality

TECHSPEC® Nd:YAG Laser Line Beam Samplers are used to split a small portion of an incident laser beam through Fresnel reflection provided by the uncoated surface for beam monitoring purposes. These beam samplers feature high performance physical properties for minimum effects on the passed through beam, including 10-5 surface quality and $\lambda/10$ surface flatness. An anti-reflection coating with a high damage threshold applied on the second surface helps limit ghost reflections. TECHSPEC Nd:YAG Laser Line Beam Samplers are made of UV Fused Silica, providing excellent transmission from the UV to the IR and a low coefficient of thermal expansion. Beam samplers with anti-reflection laser line coatings for 266nm, 355nm, 532nm, and 1064nm wavelengths are available.

Note: TECHSPEC Nd:YAG Laser Line Beam Samplers can be used with [Laser Measurement products](#) to monitor beam properties, such as beam power and beam profile, in real time.

Technical Information



Laser Line Beam Sampler

Compatible Mounts