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TECHSPEC® 1064nm, 80R/20T, 25.4mm Dia., Nd:YAG Laser Output Coupler

TECHSPEC® Nd:YAG Laser Output Couplers

Stock **#14-739** **20+ In Stock**

- 1 + **€181.00**

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Volume Pricing	
Qty 1-9	**€181,00** each
Qty 10+	**€159,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Laser Output Coupler

Note:
Arrow on edge points towards S1

Physical & Mechanical Properties

Parallelism (arcmin):
3

Clear Aperture (%):
80

Diameter (mm):
25.40 +0.00/-0.10

Thickness (mm):
6.35 ±0.20

Optical Properties

Surface Quality:
10-5

Coating Specification:
S1: R_{avg} = 80±2% @ 1064nm @ 0° AOI
S2: R_{avg} <0.2% @ 1064nm @ 0° AOI

Surface Flatness (P-V):
λ/8

Coating Type:
Dielectric

Coating:
S1: Partially Reflective Laser Mirror (1064nm)
S2: Laser V-Coat (1064nm)

Reflection/Transmission Ratio (R/T):
80/20

Design Wavelength DWL (nm):
1064

Angle of Incidence (°):
0

Substrate:
Fused Silica (Corning 7980)

Regulatory Compliance

Certificate of Conformance:
View

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our custom manufacturing capabilities or submit an inquiry here.

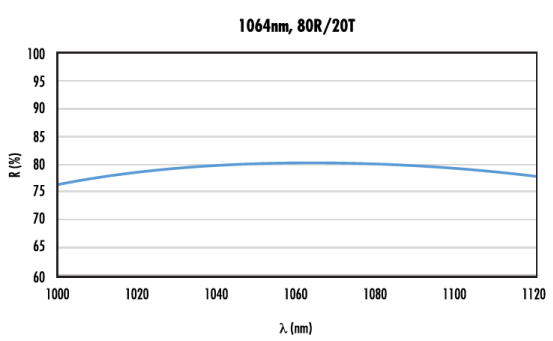
Product Details

- Designs for 532nm and 1064nm Nd:YAG Lasers
- 80% Reflectivity at Nd:YAG DWL
- UV Fused Silica Substrates

TECHSPEC® Nd:YAG Laser Output Couplers are partially reflective mirrors used in laser cavities to transmit a portion of the resonating intracavity beam. The first surface of these output couplers is coated with a partially reflective mirror coating while the back surface is coated with an anti-reflection coating at the laser wavelength to prevent reflection losses. In addition to being used as output couplers, these optics can also be used as partial reflectors for beam attenuation or as general beamsplitters. TECHSPEC Nd:YAG Laser Output Couplers are manufactured from UV fused silica substrates to provide excellent thermal properties and feature laser grade surface specifications. Laser Output Couplers are available with design wavelengths of 532nm or 1064nm for use with Nd:YAG lasers.

Please contact us if your application requires a Laser Output Coupler with a custom design wavelength, size, or reflectivity.

Technical Information



Compatible Mounts

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