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Pure (Undoped) YAG Windows



- Excellent Mid-Wave IR (MWIR) (4 - 5 μ m) Transmission
- Available in 5, 10, 12.5, and 25mm Diameters
- Commonly Used in White Light Generation

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	90
Thickness (mm):	1.00 ±0.1	Edges:	Fine Ground
Knoop Hardness (kg/mm²):	1,215.00	Parallelism (arcmin):	<3
Poisson's Ratio:	0.28	Young's Modulus (GPa):	300

Optical Properties

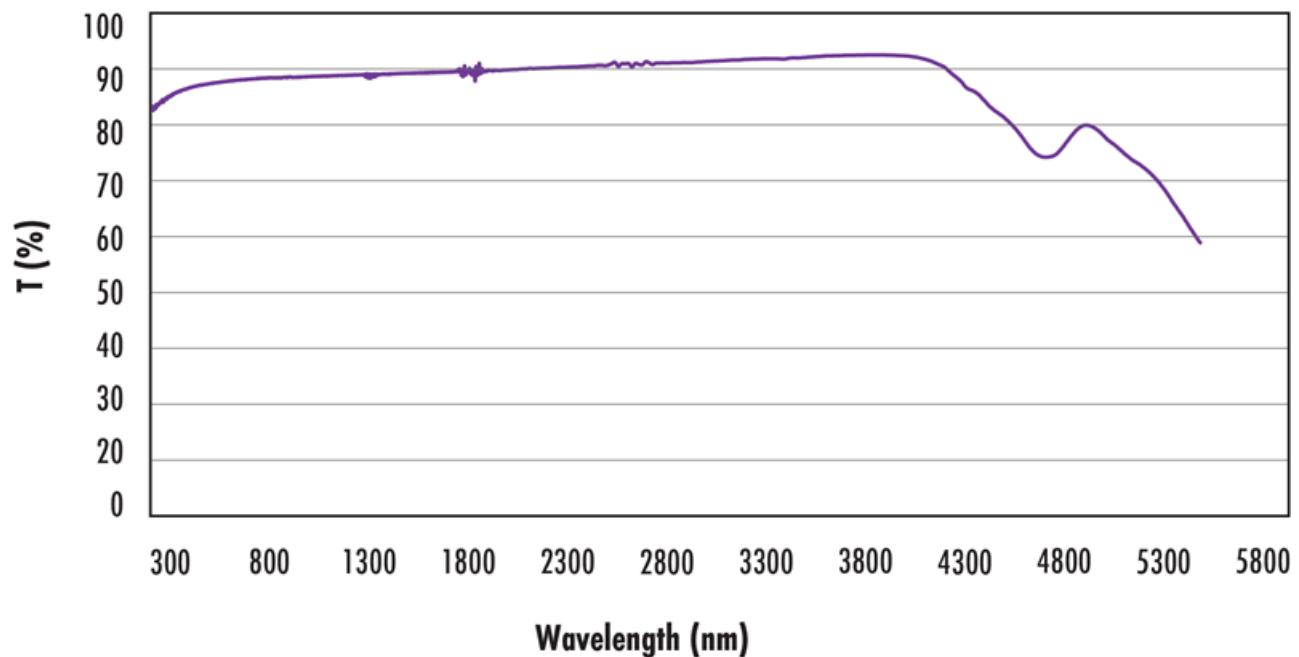
Abbe Number (v_d):	56	Axis Orientation:	<100>
Coating:	Uncoated	Index of Refraction (n_d):	1.81
Substrate:	Yttrium Aluminium Garnet (YAG)	Surface Quality:	40-20
Wavelength Range (nm):	210 - 5500		

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	8.2
Density (g/cm³):	4.56

Technical Information

Undoped YAG Transmission



Products

Dia. (mm)	Thickness (mm)	Stock Number	Price	Buy
5.00	1.00	#19-541	£159.20 Volume Pricing	20+ In Stock
10.00	1.00	#19-542	£181.60 Volume Pricing	20+ In Stock
12.50	1.00	#19-543	£227.20 Volume Pricing	1 In Stock
25.00	1.00	#19-545	£295.20 Volume Pricing	20+ In Stock



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