

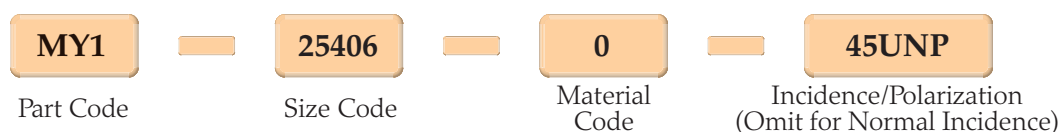
HIGH ENERGY ND: YAG LASER MIRRORS

Lasers
Laser Components
Laser Optics

SPECIFICATIONS

Substrate Material	Class BK7 or fused silica
S1 Surface Figure	$\lambda/10$ at 633 nm
S1 Surface Quality	20-10 laser quality
S2 Surface Quality	Commercial polish
Diameter Tolerance	+0.00 mm, -0.25 mm
Thickness Tolerance	± 0.2 mm
Chamfer	0.2 mm at 45° typical
Wedge	≤ 5 minutes
Coating Technology	Electron beam multilayer dielectric
Clear Aperture	Exceeds central 90% of dimension
Damage Threshold	8 J/cm ² , 10 nsec pulse at 1064 nm typical 1 J/cm ² , 10 nsec pulse at 266 nm

Describe your wavelength, dimension, desired material, incidence angle and polarization state with our specification blocks:



HIGH ENERGY ND: YAG LASER MIRRORS 1064 NM

Part number	Wavelength, nm	Diameter, mm	Thickness, mm
0° Mirrors			
MY1-25006-0	1064	25.0	6
MY1-25406-0	1064	25.4	6
MY1-30006-0	1064	30.0	6
MY1-50008-0	1064	50.0	8
MY1-50808-0	1064	50.8	8
MY1-76208-0	1064	76.2	8
MY1-101612-0	1064	101.6	12
45° Mirrors			
MY1-25006-0-45UNP	1064	25.0	6
MY1-25406-0-45UNP	1064	25.4	6
MY1-30006-0-45UNP	1064	30.0	6
MY1-50008-0-45UNP	1064	50.0	8
MY1-50808-0-45UNP	1064	50.8	8
MY1-76208-0-45UNP	1064	76.2	8
MY1-101612-0-45UNP	1064	101.6	12

Other angles of incidence, sizes and spherical mirrors are available on request

HIGH ENERGY Nd: YAG LASER MIRRORS

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Laser Mirror
Substrates

HIGH ENERGY Nd: YAG LASER MIRRORS 532 NM

Part number	Wavelength, nm	Diameter, mm	Thickness, mm
0° Mirrors			
MY2-25006-0	532	25.0	6
MY2-25406-0	532	25.4	6
MY2-30006-0	532	30.0	6
MY2-50008-0	532	50.0	8
MY2-50808-0	532	50.8	8
MY2-76208-0	532	76.2	8
MY2-101612-0	532	101.6	12
45° Mirrors			
MY2-25006-0-45UNP	532	25.0	6
MY2-25406-0-45UNP	532	25.4	6
MY2-30006-0-45UNP	532	30.0	6
MY2-50008-0-45UNP	532	50.0	8
MY2-50808-0-45UNP	532	50.8	8
MY2-76208-0-45UNP	532	76.2	8
MY2-101612-0-45UNP	532	101.6	12

High Power
Laser Windows

High Energy
Laser Mirrors

Thin Film Plate
Polarizers

Other angles of incidence, sizes and spherical mirrors are available on request

Describe your wavelength, dimension, desired material, incidence angle and polarization state with our specification blocks:



High Energy
Beamsplitter

HIGH ENERGY Nd: YAG LASER MIRRORS 355 NM

Part number	Wavelength, nm	Diameter, mm	Thickness, mm
0° Mirrors			
MY3-25006-0	355	25.0	6
MY3-25406-0	355	25.4	6
MY3-30006-0	355	30.0	6
MY3-50008-0	355	50.0	8
MY3-50808-0	355	50.8	8
MY3-76208-0	355	76.2	8
MY3-101612-0	355	101.6	12
45° Mirrors			
MY3-25006-0-45UNP	355	25.0	6
MY3-25406-0-45UNP	355	25.4	6
MY3-30006-0-45UNP	355	30.0	6
MY3-50008-0-45UNP	355	50.0	8
MY3-50808-0-45UNP	355	50.8	8
MY3-76208-0-45UNP	355	76.2	8
MY3-101612-0-45UNP	355	101.6	12

Harmonic
Separators

KDP, DKDP
Crystals

KTP Crystals

Other angles of incidence, sizes and spherical mirrors are available on request

HIGH ENERGY ND: YAG LASER MIRRORS

Lasers
Laser Components
Laser Optics

HIGH ENERGY ND: YAG LASER MIRRORS 266 NM

Part number	Wavelength, nm	Diameter, mm	Thickness, mm
0° Mirrors			
MY4-25006-1U	266	25.0	6
MY4-25406-1U	266	25.4	6
MY4-30006-1U	266	30.0	6
MY4-50008-1U	266	50.0	8
MY4-50808-1U	266	50.8	8
MY4-76208-1U	266	76.2	8
MY4-101612-1U	266	101.6	12
45° Mirrors			
MY4-25006-1U-45UNP	266	25.0	6
MY4-25406-1U-45UNP	266	25.4	6
MY4-30006-1U-45UNP	266	30.0	6
MY4-50008-1U-45UNP	266	50.0	8
MY4-50808-1U-45UNP	266	50.8	8
MY4-76208-1U-45UNP	266	76.2	8
MY4-101612-1U-45UNP	266	101.6	12

Other angles of incidence, sizes and spherical mirrors are available on request

HIGH ENERGY ND: YAG LASER MIRRORS 213 NM

Part number	Wavelength, nm	Diameter, mm	Thickness, mm
0° Mirrors			
MY5-25006-1U	213	25.0	6
MY5-25406-1U	213	25.4	6
MY5-30006-1U	213	30.0	6
MY5-50008-1U	213	50.0	8
MY5-50808-1U	213	50.8	8
MY5-76208-1U	213	76.2	8
MY5-101612-1U	213	101.6	12
45° Mirrors			
MY5-25006-1U-45UNP	213	25.0	6
MY5-25406-1U-45UNP	213	25.4	6
MY5-30006-1U-45UNP	213	30.0	6
MY5-50008-1U-45UNP	213	50.0	8
MY5-50808-1U-45UNP	213	50.8	8
MY5-76208-1U-45UNP	213	76.2	8
MY5-101612-1U-45UNP	213	101.6	12

Other angles of incidence, sizes and spherical mirrors are available on request