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TECHSPEC®

Laser Line $\lambda/20$ High Tolerance Right Angle Mirrors



- >99.5% Reflectivity at the Design Wavelength
- ± 15 Arcsecond Angular Tolerance
- High Thermal Stability Substrates

Common Specifications

Physical & Mechanical Properties

Dimensional Tolerance (mm):	+0.00/-0.10	Bevel:	Protective bevel as needed
Clear Aperture (%):	90		

Optical Properties

Surface Flatness (P-V):	$\lambda/20$		
Substrate:	Fused Silica (Corning 7980)	Surface Quality:	20-10
Pyramid Tolerance (arcmin):	± 1	Angle Tolerance (arcsec):	± 15

Technical Information

Products

Surface Flatness (P-V)	Length of Legs (mm)	Coating Specification	Coating	Stock Number	Price	Buy
$\lambda/20$	5.00	R _{abs} >99.5% @ 266nm @ 45° AOI R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	Laser Mirror (266nm)	#37-640	€219,00 Qty 6+ €180,00	3-4 days
$\lambda/20$	10.00	R _{abs} >99.5% @ 266nm @ 45° AOI R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	Laser Mirror (266nm)	#37-641	€241,00 Qty 6+ €193,00	3-4 days
$\lambda/20$	12.50	R _{abs} >99.5% @ 266nm @ 45° AOI R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	Laser Mirror (266nm)	#37-642	€243,00 Qty 6+ €194,00	3-4 days
$\lambda/20$	15.00	R _{abs} >99.5% @ 266nm @ 45° AOI R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	Laser Mirror (266nm)	#37-643	€257,00 Qty 6+ €205,00	3-4 days
$\lambda/20$	20.00	R _{abs} >99.5% @ 266nm @ 45° AOI R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	Laser Mirror (266nm)	#37-644	€274,00 Qty 6+ €230,00	3-4 days
$\lambda/20$	25.00	R _{abs} >99.5% @ 266nm @ 45° AOI R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	Laser Mirror (266nm)	#37-645	€308,00 Qty 6+ €256,00	3-4 days

$\lambda/20$	5.00	$R_{\text{abs}} > 99.8\% @ 355\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 351 - 358\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (355nm)	#37-646	€219,00 Qty 6+ €180,00	3-4 days
$\lambda/20$	10.00	$R_{\text{abs}} > 99.8\% @ 355\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 351 - 358\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (355nm)	#37-647	€241,00 Qty 6+ €193,00	3-4 days
$\lambda/20$	12.50	$R_{\text{abs}} > 99.8\% @ 355\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 351 - 358\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (355nm)	#37-648	€243,00 Qty 6+ €194,00	3-4 days
$\lambda/20$	15.00	$R_{\text{abs}} > 99.8\% @ 355\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 351 - 358\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (355nm)	#37-649	€257,00 Qty 6+ €205,00	3-4 days
$\lambda/20$	20.00	$R_{\text{abs}} > 99.8\% @ 355\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 351 - 358\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (355nm)	#37-650	€274,00 Qty 6+ €230,00	In Stock
$\lambda/20$	25.00	$R_{\text{abs}} > 99.8\% @ 355\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 351 - 358\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (355nm)	#37-651	€308,00 Qty 6+ €256,00	3-4 days
$\lambda/20$	5.00	$R_{\text{abs}} > 99.8\% @ 532\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 523 - 537\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (532nm)	#37-652	€219,00 Qty 6+ €180,00	3-4 days
$\lambda/20$	10.00	$R_{\text{abs}} > 99.8\% @ 532\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 523 - 537\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (532nm)	#37-653	€241,00 Qty 6+ €193,00	3-4 days

$\lambda/20$	12.50	$R_{\text{abs}} > 99.8\% @ 532\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 523 - 537\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (532nm)	#37-654	€243,00 Qty 6+ €194,00	3-4 days
$\lambda/20$	15.00	$R_{\text{abs}} > 99.8\% @ 532\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 523 - 537\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (532nm)	#37-655	€257,00 Qty 6+ €205,00	3-4 days
$\lambda/20$	20.00	$R_{\text{abs}} > 99.8\% @ 532\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 523 - 537\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (532nm)	#37-656	€274,00 Qty 6+ €230,00	3-4 days
$\lambda/20$	25.00	$R_{\text{abs}} > 99.8\% @ 532\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 523 - 537\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (532nm)	#37-657	€308,00 Qty 6+ €256,00	3-4 days
$\lambda/20$	5.00	$R_{\text{abs}} > 99.8\% @ 1064\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 1046 - 1074\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (1064nm)	#37-658	€219,00 Qty 6+ €180,00	In Stock
$\lambda/20$	10.00	$R_{\text{abs}} > 99.8\% @ 1064\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 1046 - 1074\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (1064nm)	#37-659	€241,00 Qty 6+ €193,00	3-4 days
$\lambda/20$	12.50	$R_{\text{abs}} > 99.8\% @ 1064\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 1046 - 1074\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (1064nm)	#37-661	€243,00 Qty 6+ €194,00	3-4 days
$\lambda/20$	15.00	$R_{\text{abs}} > 99.8\% @ 1064\text{nm} @ 45^\circ \text{AOI}$ $R_{\text{avg}} > 99.5\% @ 1046 - 1074\text{nm} @ 45^\circ \text{AOI}$	Laser Mirror (1064nm)	#37-662	€257,00 Qty 6+ €205,00	3-4 days

$\lambda/20$	20.00	$R_{\text{abs}} > 99.8\%$ @ 1064nm @ 45° AOI $R_{\text{avg}} > 99.5\%$ @ 1046 - 1074nm @ 45° AOI	Laser Mirror (1064nm)	#37-664	€274,00 Qty 6+ €230,00	3-4 days
$\lambda/20$	25.00	$R_{\text{abs}} > 99.8\%$ @ 1064nm @ 45° AOI $R_{\text{avg}} > 99.5\%$ @ 1046 - 1074nm @ 45° AOI	Laser Mirror (1064nm)	#37-665	€308,00 Qty 6+ €256,00	In Stock



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