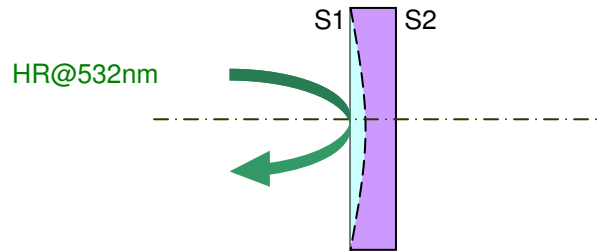
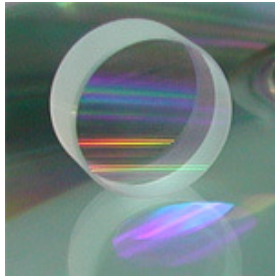


# High Reflection Laser Cavity Mirror

@ 532nm (0° AOI)

## PM-R532A Series



ORDERING INFORMATION:	PM	-	R532A	-	Diameter (mm)	-	Thickness (mm)	-	Radius (mm)
					Ø12.7		3		Flat
					Ø25.4		6		-50
					Ø50.8		8		-100
					**		10		-200
							**		-500
									-1000
									+50
									+100
									+200
									+500
									+1000
									**

General Specifications:	
Substrate Material:	BK7 Glass typ. (or UV Fused Silica)
Flatness:	$\lambda / 10$ at 633nm
Surface Quality:	10-5 scratch and dig
Diameter Tolerance:	+ 0.00mm, - 0.10mm
Thickness Tolerance:	$\pm 0.10$ mm
Wedge:	$\leq 5$ minutes
Chamfer:	0.2mm at 45° typical
Concentricity:	$\leq 0.05$ mm
Radius Tolerance:	$\pm 0.5\%$
Coating Technology:	Electron beam multilayer dielectric
Adhesion and Durability:	Per MIL-C-675C. Insoluble in lab solvents
Clear Aperture:	Exceeds central 85% of dimension
Damage Threshold:	1MW/cm <sup>2</sup> CW, 5J/cm <sup>2</sup> (10ns Pulse)
Coating (0° AOI)	S1: HR @ 532nm (R>99.5%)

\*\* Upon request

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