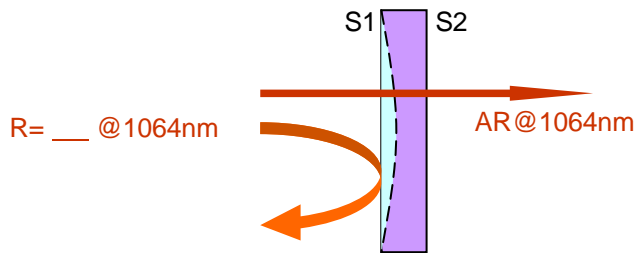
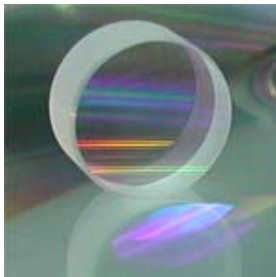


Output Laser Cavity Mirror @ 1064nm (0° AOI)

PMO-1064A Series



Ø25.4	6
Ø12.7	3

ORDERING INFORMATION:	PMO	-	1064A	-	Diameter (mm)	-	Thickness (mm)	-	Radius (mm)	-	Reflection (S1)(%)
									Flat		99.5
									-50		98.0
									-100		96.0
									-200		94.0
									-300		92.0
									-400		90.0
									-500		85.0
									-900		80.0
									-1000		75.0
									**		70.0
											**

General Specifications:	
Substrate Material:	BK7 Glass
Flatness:	$\lambda / 10$ at 633nm
Surface Quality:	10-5 scratch and dig
Diameter Tolerance:	+ 0.00mm, - 0.10mm
Thickness Tolerance:	± 0.10 mm
Wedge:	≤ 5 minutes
Chamfer:	0.2mm at 45° typical
Concentricity:	≤ 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 ² CW, 5J/cm ² (10ns Pulse)
Coating (0° AOI)	S1: R @ 1064nm S2: AR @ 1064nm

** Upon request

Contact Information:

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 Email: sales@photonik.com.sg Web: www.photonik.com.sg

Local Representative:

Diameter (mm)	Reflection (S1)(%)		
	Ø12.7	87.8	79.2
	87.5	79	62.2
Thickness (mm)	87.3	78.8	61.6
6	87	78.5	61.5
	86.5	78.2	61.2
	86.2	78	59.5
Radius (mm)	86	77	59.4
Flat	85.8	76	59
	85.2	75.5	58.5
	85	75	58
	84.9	74.7	57.2
	84.8	74.5	56
	84.6	74.3	55
	84.5	73.7	54.5
	84.4	73.1	54
	84.3	73	53.1
	84.2	72.8	52.8
	84	72.5	52.5
	83.8	71.7	52
	83.7	71.6	51.5
	83.6	71.5	51
	83.5	71.4	48
	83	71.3	47.4
	82.9	71.2	47
	82.8	70	46
	82.7	69.5	45
	82.6	69	43.1
	82.5	68.6	43
	82.4	68.5	42.7
	82.3	68.4	42.5
	81.8	68	42.2
	81.7	67.4	41.5
	81.6	67.3	40.4
	81.5	67	40.3
	81.4	66.5	40
	81.2	66	38.8
	81	65.7	37.4
	80.8	65	37
	80.7	64.6	35
	80.5	64.5	34
	80	64	29
	79.5	63	28
	79.4	62.6	

Diameter (mm)	Reflection (S1)(%)
Ø12.7	88.4
	87.9
Thickness (mm)	87.7
6	87.6
	87
	86.5
Radius (mm)	86
-50	85
	84.5
	84
	83.8
	83.5
	83.3
	82.8
	80.5
	78.5
	75
	70

Diameter (mm)	Reflection (S1)(%)
Ø12.7	86.3
	86
Thickness (mm)	85.8
6	85.1
	85
	84
Radius (mm)	83.9
-100	83.8
	83.5
	83.3
	82.8
	82.1
	81.2
	81
	79.5
	78.2
	77.2
	65.4