

GaAs Optics

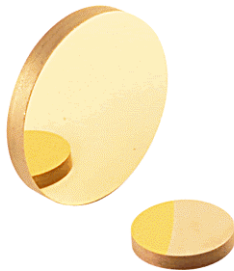
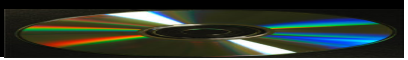
Laser Mirrors

Laser Cavity Output Coupler

Self-Q-Switching Saturable Absorber

PHOTONIK hv

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FEATURES

Thin plate crystal optics

APPLICATIONS

High power laser cavity optics

Self Q-switching component

Laser cavity Q-switch and output coupler as FP sub-cavity

Tunable cavity component

Laser cavity mode-locking for short laser pulse generation

General Specifications:

Substrate:	GaAs, single crystal
Diameter:	0.5 inch(12.7mm)
Thickness:	400um, typ; or per request
Clear Aperture:	> 80%
Surface Quality:	10 – 5 scratch and dig
Parallelism:	< 1'
Optical Coating:	

Resolved by
600line/mm grating

Coating Type	A	B	C	D	E
Surface -1	AR 1000~1100nm	AR 1000~1100nm	No Coating	No Coating	No Coating
Surface -2	AR 1000~1100nm	R=98% 1000~1100nm	R=98% 1000~1100nm	AR 1000~1100nm	No Coating

Damage Threshold:	> 10 ⁶ W/cm ² ; 10ns @ 1064nm pulse
Package:	Un-mounted/1" mounted(ring-retaining)

Ordering Information:

POC-GA — <Coating Type> — <Mounting Type>

A: Type A	M: 1" Mounted
B: Type B	U: Un-mounted
C: Type C	
D: Type D	
E: Type E	

Photonik reserves the rights to change product designs and specifications at any time without notice.

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