

# GaAs Optics

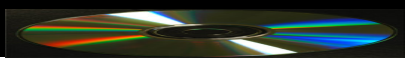
## Laser Mirrors

## Laser Cavity Output Coupler

## Self-Q-Switching Saturable Absorber

# PHOTONIK<sup>hv</sup>

### PHOTONIK SPECTRUM WORLD



### 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

Resolved by  
600line/mm grating

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:

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<sup>6</sup> W/cm<sup>2</sup>; 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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