

Silicon(Si) Optics

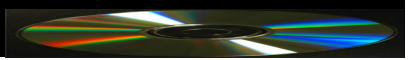
Laser Mirrors

Laser Cavity Output Coupler

Self-Q-Switching Saturable Absorber

PHOTONIK ^{hv}

PHOTONIK SPECTRUM WORLD



FEATURES

Novel cavity, 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:

Silicon(Si), single crystal

Diameter:

0.5 inch(12.7mm)

Thickness:

400um, 600um,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:

> 10⁶ W/cm²; 10ns @ 1064nm pulse

Package:

Un-mounted/1" mounted(ring-retaining)

Ordering Information:

POC-SI — <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.

Contact Information:

PHOTONIK (SINGAPORE) PTE LTD

8 Boon Lay Way, TradeHub 21, #04-04, Singapore 609964
Tel: +65-6316-6370, +65-6316-2142 Fax: +65-6316-1082
Email: sales@photonik.com.sg Web: www.photonik.com.sg

Local Representative:

