

LASER DAMAGE THRESHOLD

Customer:

Part No .:

Purchase Order Number:

Dayoptics, Inc.

Issued:

13866 #1 Dec. 1, 2008

Substrate Material:

BK-7 Glass

PBS cube

P338

PBS206-HP

Coating Type:

Certificate No.:

B/S@1064 nmm

Lot No.:

136

Special Requirements:

Per P.O.

Wavelength (nm): Repetition Freq. (Hz):

Pulse Width (FWHM, ns): Axial Modes:

No. Sites Tested: Damage Definition:

Preparation:

1064 20 20

Multiple

Permanent surface change

N2 Dustoff

Spot Diam. (FW/e2, mm): Incidence Angle (deg.): Polarization State:

Transverse Modes: No. Shots/Site:

Inspection Method:

Normal Circular TEMoo

200

Nomarski/Darkfield 150X

100 Damage Frequency (%) 80 60 40 20 0 0 10 20 30 40 Fluence (J/cm2)

J/cm2	MW/cm2	%Fail
30.4	1214	100
21.7	867	33.3
17.3	694	10
15.2	607	0
13	520	0

Test Results:

Damage Threshold:

15.2 J/cm2 or

MW/cm2 607

Damage Type:

Propagating pit(s) on the hypotenuse

Notes:

"Big Sky Laser Technologies, Inc., certifies that the Laser Damage Threshold of this sample was tested as shown hereon. Fluence measurement precision was plus or minus 10%, traceable to NIST. The test method was substantially in agreement with ISO 11254. Specific calibration data are maintained in this office and are available on request. We certify that this test report conforms to all applicable provisions of the purchase order."

eff Runkel

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Form 19-F-005 Rev A