



Laser Damage Threshold Data

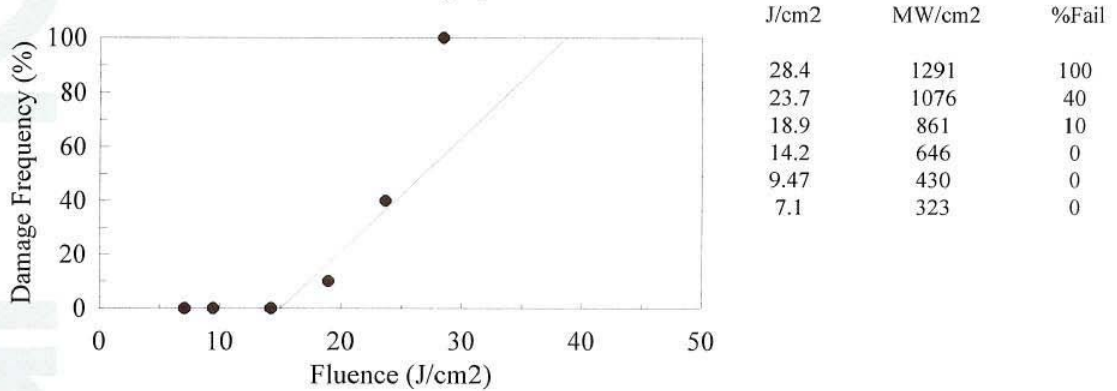
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 Boulder, CO 80301
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For more info page to: (303) 444-9951

LASER DAMAGE THRESHOLD

Customer:	Precision Photonics Corp.	Certificate No.:	12304 #2
Purchase Order Number:	2047	Issued:	April 12, 2007
Substrate Material:	Unknown	Coating Type:	Unknown
Part No.:	#1 Cube #1	Lot No.:	#1
Special Requirements:	Per P.O.		
Wavelength (nm):	1064	Spot Diam. (FW/e2, mm):	.5
Repetition Freq. (Hz):	20	Incidence Angle (deg.):	0
Pulse Width (FWHM, ns):	20	Polarization State:	Linear
Axial Modes:	Multiple	Transverse Modes:	TEM00
No. Sites Tested:	55	No. Shots/Site:	200
Damage Definition:	Permanent surface change	Inspection Method:	Nomarski/Darkfield
Preparation:	Acetone methanol drag wipe		



Test Results: Damage Threshold: **15.0** J/cm2 or **682** MW/cm2
 Damage Type: Flash propagating pit(s) on hypotenuse

Notes: P-Pol on hypotenuse



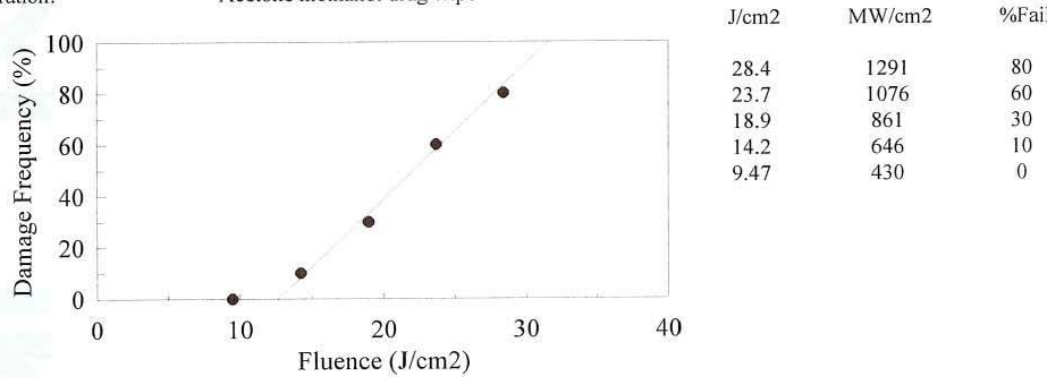
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LASER DAMAGE THRESHOLD

Customer:	Precision Photonics Corp.	Certificate No.:	12304 #3
Purchase Order Number:	2047	Issued:	April 12, 2007
Substrate Material:	Unknown	Coating Type:	Unknown
Part No.:	#2 Cube #2	Lot No.:	#2
Special Requirements:	Per P.O.		
Wavelength (nm):	1064	Spot Diam. (FW/e2, mm):	.5
Repetition Freq. (Hz):	20	Incidence Angle (deg.):	0
Pulse Width (FWHM, ns):	20	Polarization State:	Linear
Axial Modes:	Multiple	Transverse Modes:	TEM ₀₀
No. Sites Tested:	40	No. Shots/Site:	200
Damage Definition:	Permanent surface change	Inspection Method:	Nomarski/Darkfield
Preparation:	Acetone methanol drag wipe		



Test Results: Damage Threshold: **12.6** J/cm² or **574** MW/cm²
 Damage Type: Flash propagating pit(s) on hypotenuse

Notes: S-Pol on hypotenuse