

TEST DATA & SPECIFICATIONS		
Customer	Tarka Photonics Ltd	
Date	08/04/2025	
Sample ID	TP-093	
Test	Laser-Induced Damage Threshold	
LIDT Type	S-on-1	
Threshold Value	1976 MW/cm ²	39.52 J/cm ²
Determination Method	Least Fluence	
Wavelength (nm)	1064	
Pulse Duration (FWHM) (ns)	20	
Repetition Rate (Hz)	20	
Polarization	U-Pol	
Angle of Incidence (deg)	0°	
Spot Diameter (1/e ²) (µm)	800	
Pre-Clean	Acetone Drag	
Test Beam Profile	TEM ₀₀	
Camera Log	1	
Axial Modes	Multiple	
ISO Compliance	ISO Standards 21254-1; 21254-2; 21254-3 & ISO-TR-21254-4 2011	
Number of Sites per Row	10	
Number of Shots per Site	20	
Number of Rows tested	10	
Total Number of Shots	2000	
Sample Handling	Cleanroom Glove	
Sample Size	30 mm x 30 mm	
Optic or Witness	Optic	
Substrate Material	XQZ	
Side to Test	Marked with black line	