

Testing Parameters and Results

Sample Information

Substrate Material	UVFS
Coating Type	HR@193
Part Number	PAN7568
Lot Number	NA
	Arrow Side

Results

Damage Threshold Fluence	[J/cm ²]	0.30
Damage Threshold Peak Irradiance	[MW/cm ²]	28.49
Damage Type		Propagating pits

Reference the guide sheet on the final page for additional information on Damage Types

Supporting Information

Engineer's Notes:

- Root T scaled: 0.3 J/cm² @ 9.6 ns is equivalent to 0.32 J/cm² @ 11 ns
- Root T scaled: 28.49 MW/cm² @ 9.6 ns is equivalent to 26.61 MW/cm² @ 11 ns
- Fluence and irradiance calculated for normal incidence

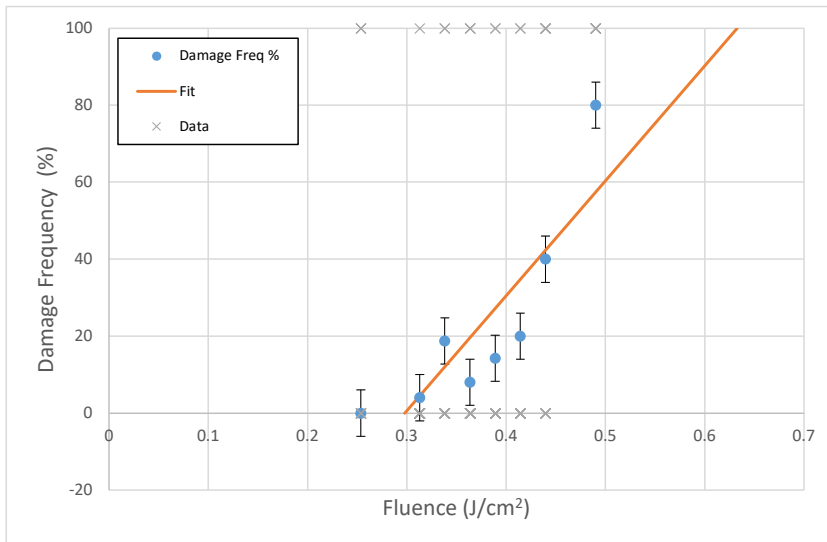


Figure 1: Plot of damage frequency as a function of fluence

J/cm ²	MW/cm ²	%Fail
0.49	46.9	80%
0.44	42.1	40%
0.41	39.6	20%
0.39	37.2	14%
0.36	34.8	8%
0.34	32.4	19%
0.31	29.9	4%
0.25	24.3	0%