



## opto-1064/532 R

*for ultra-high performance on optoSiC+ mirrors*

optoSiC® opto-1064/532 R is a high reflectivity dualband coating with hard dielectric metal oxide layers and is a NON-RADIOACTIVE ThF<sub>4</sub>-free product.

opto-1064/532 R retains ultra-high reflectivity for P-, S-Pol and un-polarised single and doubled Nd:YAG laser wavelengths when used with angles of incidence common in galvano scanning.

opto-1064/532 R meets the toughest demands required for dualband Nd:YAG laser applications.

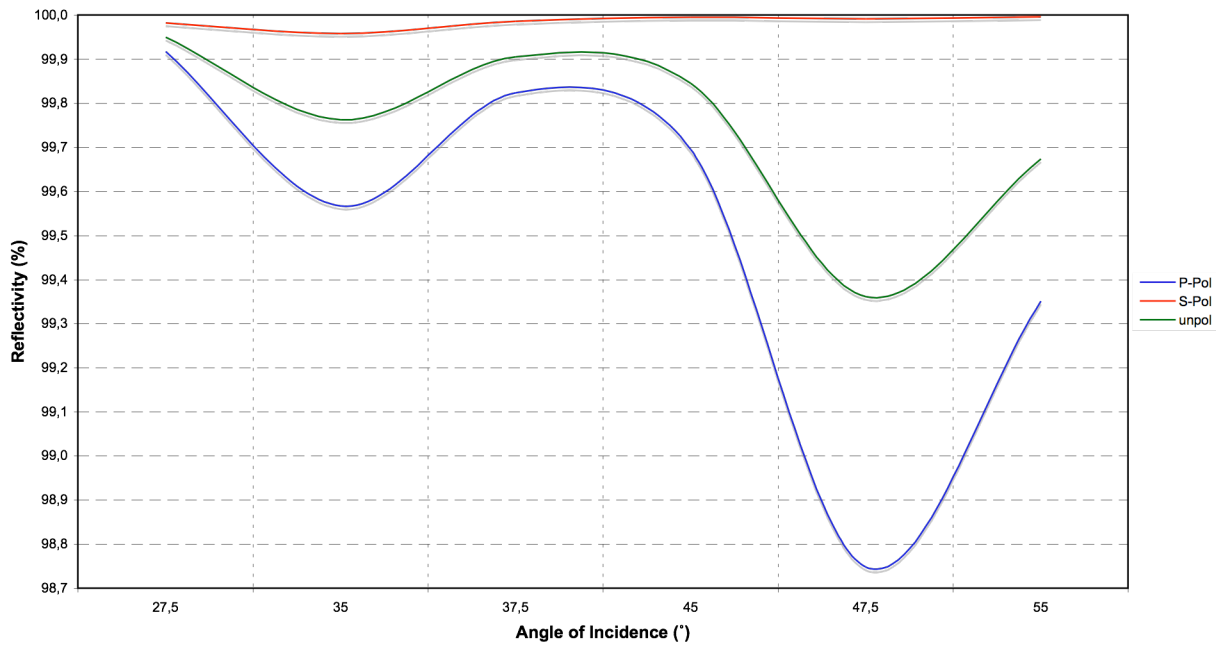
opto-1064/532 R coated optoSiC+ generic mirrors can withstand a 10ns single-shot pulsed laser induced damage threshold (LIDT) of typically >5J/cm<sup>2</sup> at 532nm and/or >25J/cm<sup>2</sup> at 1064nm at 27.5° to 55° Angle of Incidence.

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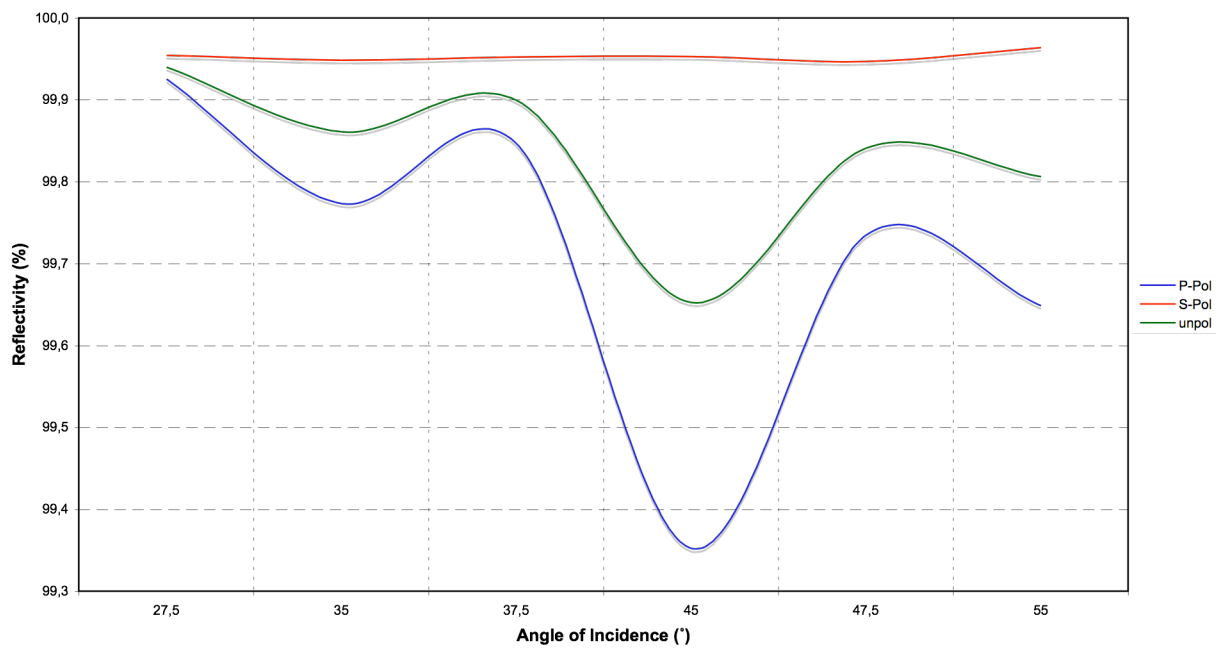
### opto-1064/532 R on optoSiC+ Specifications:

Surface Form Accuracy	< $\lambda/10$ over 90% diameter (532 to 1064nm)
Surface Roughness	< 30Å RMS (Rq <0.00003)
Reflectivity @633nm	>76.3% average (for HeNe laser alignment)
Pulsed LIDT	5J/cm <sup>2</sup> 10ns single-shot pulse (532nm) 25J/cm <sup>2</sup> 10ns single-shot pulse (1064nm)
Density	4.584g/cm <sup>3</sup> ±0.003g/cm <sup>3</sup>
Thickness	7.61µ ±0.25µ
Maximum Size	within ø80mm
Adhesion	To ISO 9211-04-02-02
Abrasion	To ISO 9211-04-01-03

### opto-1064/532 R @ 1064nm



### opto-1064/532 R @ 532nm



### opto-1064/532 R @ 633nm

