



## opto-532 R

*for ultra-high performance on optoSiC+ mirrors*

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

opto-532 R retains ultra-high reflectivity for P-, S-Pol and un-polarised frequency-doubled 532nm Nd:YAG wavelength when used with angles of incidence common in galvano scanning.

opto-532 R meets the toughest demands required for frequency-doubled 532nm Nd:YAG laser applications.

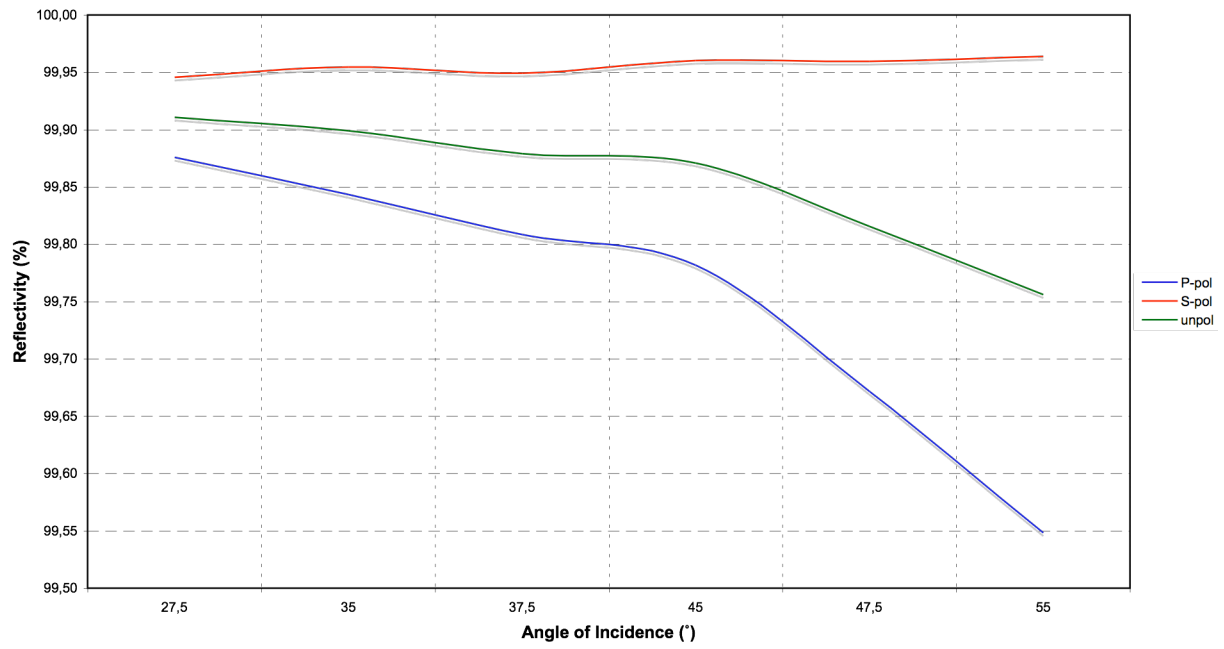
opto-532 R coated optoSiC+ generic mirrors can withstand a measured 10ns single-shot pulsed laser induced damage threshold (LIDT) of typically >3J/cm<sup>2</sup> at 27.5° to 55° Angle of Incidence.

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

Surface Form Accuracy	< $\lambda/8$ over 90% diameter (632.8nm)
Surface Roughness	< 40Å RMS (Rq <0.00004)
Reflectivity @532nm	Average >99.86%
Reflectivity @633nm	Average >81.19%
Pulsed LIDT	3J/cm <sup>2</sup> at 45° with 10ns single-shot pulse
Density	4.712g/cm <sup>3</sup> ±0.0001g/cm <sup>3</sup>
Thickness	3.675µ ±0.135µ
Maximum Size	within ø80mm
Adhesion	To ISO 9211-04-02-02
Abrasion	To ISO 9211-04-01-03

### opto-532 R @ 532nm



### opto-532 R @ 633nm

