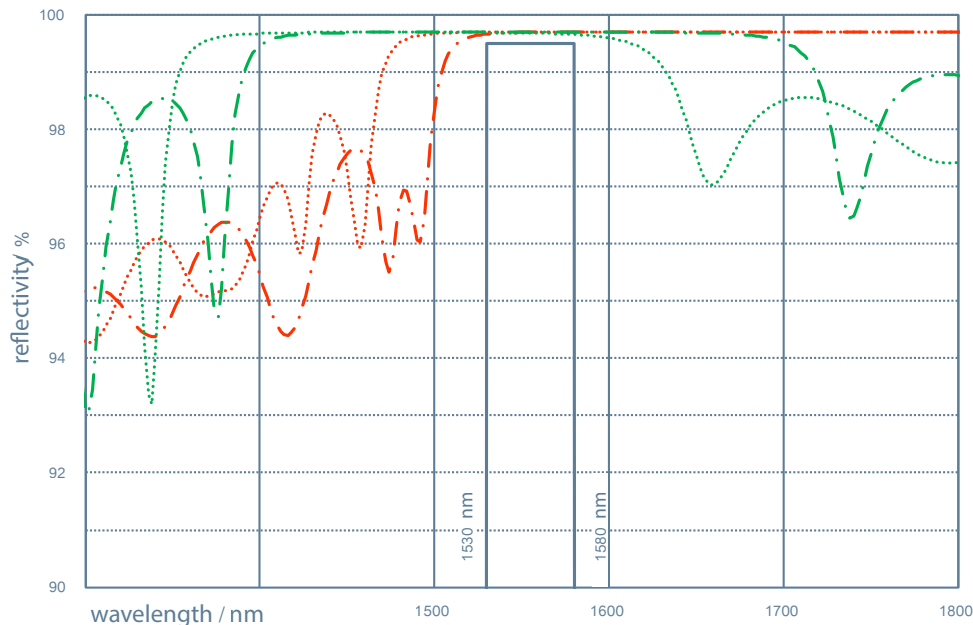


optoSiC® SCANcoat 1550-H

LOW-STRESS OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT **1550NM** FOR AOI OF **45°** AND **37,5°**, RESPECTIVELY.



SCANcoat 1550-H

- u-pol 55°
- - - u-pol 25°
- ... u-pol 65°
- · - · u-pol 35°

1550-H

		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	1530 - 1580	s. spectrum
Wavelength [λ_2]	(nm)	630 - 670	
Scan Angle	(°)	45 ± 10	
HR [λ_1] @45° u-pol	(%)	> 99,5	± 0,5 %
R_{avg} [λ_2] @45 u-pol	(%)	> 50	± 2,5 %
Powerdensity	[kW/cm²]	n.d.	LIDT* (@1064nm CW)
Damage Threshold / Energy Density	[J/cm²]	n.d.	for pulsed 1064nm radiation 10ns, 1 kHz

- Laser induced damage threshold (LIDT) is typically given as x-Watts per linear millimeter of beam radius (br) (1/e²) 310% at 45° Angle of Incidence.
- Transmission edges can vary ~ 2% from lot to lot for the given wavelength.
- All data given for ambient conditions 20-25°C, at higher temperatures thermal shifts will occur.
- Reflectivity is qualified on fused silica samples
- Measured uncertainty of HR +/- 1,0 %
- n.d. = not defined



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