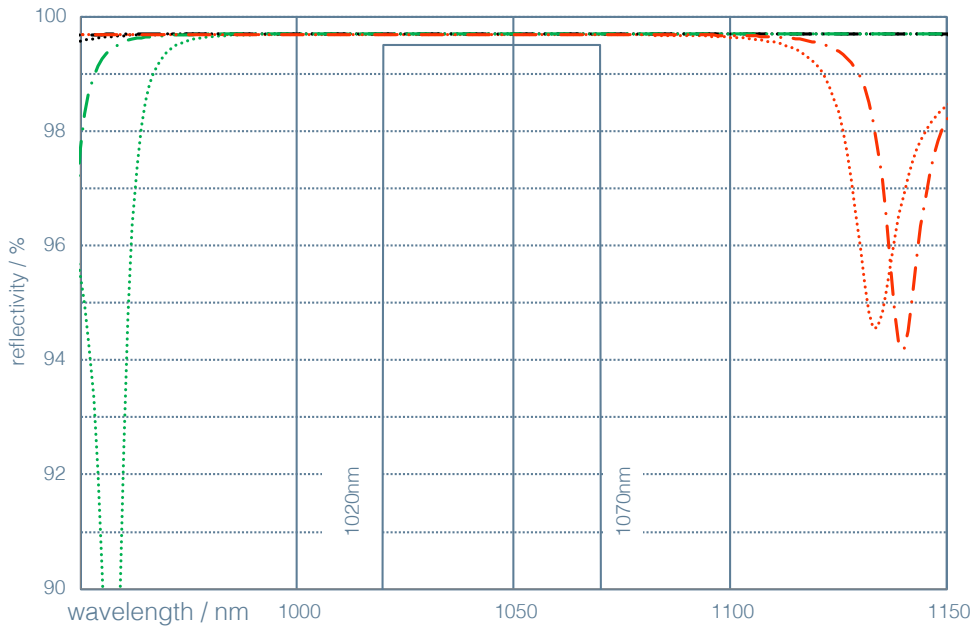


optoSiC® SCANcoat 1030-H

LOW-STRESS OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT **1030NM** FOR AOI OF **45°** AND **37,5°**, RESPECTIVELY



SCANcoat 1030-H

- u-pol 27,5°
- u-pol 47,5°
- u-pol 37,5°
- u-pol 35°
- u-pol 55°
- u-pol 45°

1030-H

		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	1020 ... 1070	s. spectrum
Wavelength [λ_2]	(nm)	632,8	
Scan Angle	(°)	37,5 / 45° ± 10°	25 - 58,5
HR [λ_1] @45° u-pol	(%)	> 99,5	
R_{avg} [λ_2] @45 u-pol	(%)	> 60	
Powerdensity	[kW/cm²]	n.d.	LIDT* [@1064nm CW]
Damage Threshold / Energy Density	[J/cm²]	n.d.	for pulsed 1064nm radiation 10ns, 1 Hz

- 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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