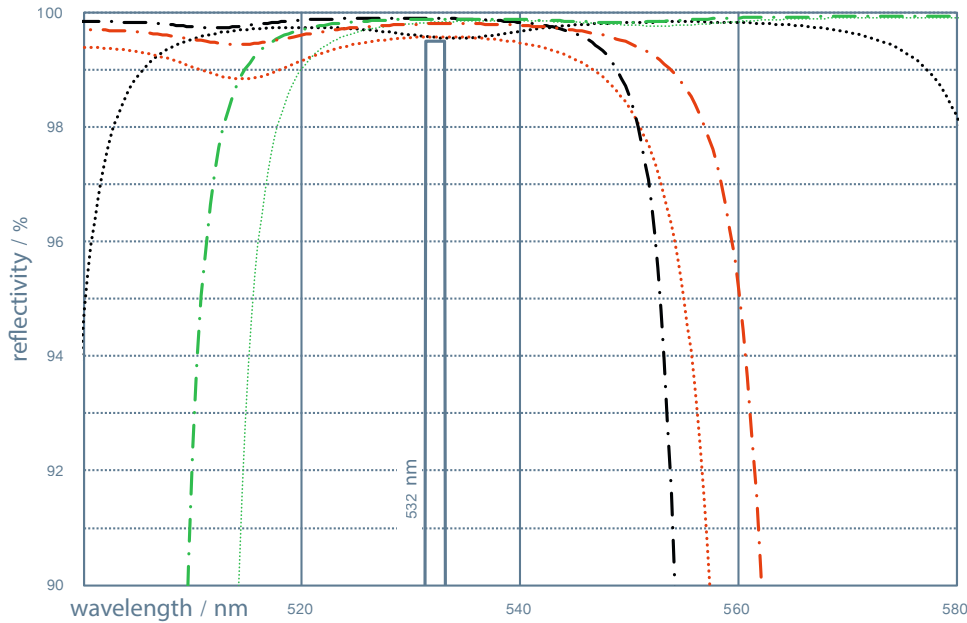


optoSiC® SCANcoat 532-Dxy

HIGH POWER OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT 532NM FOR AOI OF 45° AND 37,5°, RESPECTIVELY.



SCANcoat 532-Dxy

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

532-Dxy

		TYPICAL VALUES	
Wavelength [λ_1]	[nm]	532 ± 2	s. spectrum
Wavelength [λ_2]	[nm]	632,8	
Scan Angle	[°]	37,5 + 45 ± 10	27,5 - 55,5
HR [λ_1] @45° u-pol	(%)	> 99,5	+/- 0,5 %
R_{avg} [λ_2] @45 u-pol	(%)	> 50	+/- 5 %
Powerdensity	[kW/br]	1,0	LIDT* (@532nm CW)
Damage Threshold / Energy Density	[J/cm²]	6,5	for pulsed 532nm radiation 10ns, 1 Hz

- Laser induced damage threshold (LIDT) is typically given as x-Watts per linear millimeter of beam radius (br) (1/e²) +/-10% 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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