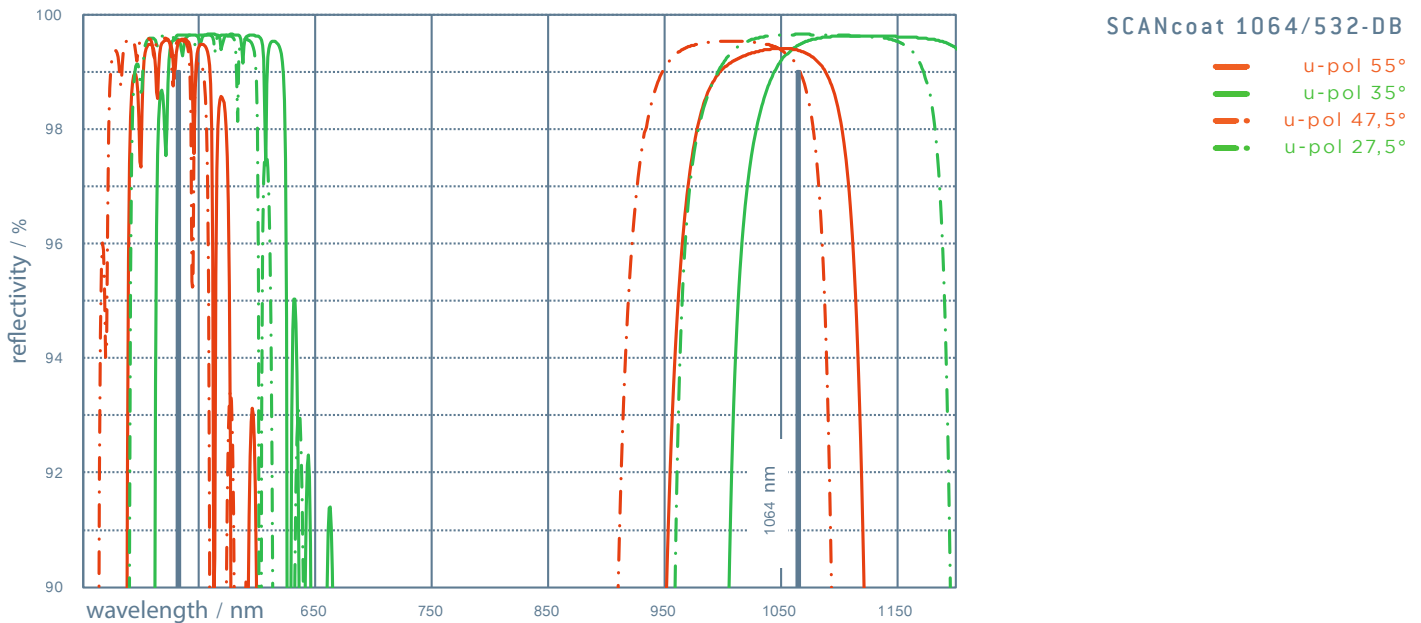


optoSiC® SCANcoat 1064/532-DB

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



1064/532-DB

		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	1064 + 532	s. spectrum
Wavelength [λ_2]	(nm)	632,8	
Scan Angle	(°)	37,5 + 45 ± 10,5	27,5 - 55,5
HR [λ_1] @45° u-pol	(%)	> 99,0	± 0,5
R_{avg} [λ_2] @45° u-pol	(%)	> 40	± 0,5
Powerdensity	(kW/br)	1,5	LIDT* (@532nm CW)
Damage Threshold / Energy Density	(J/cm ²)	20/9	for pulsed 1064/532nm radiation 10ns, 10Hz

- 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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