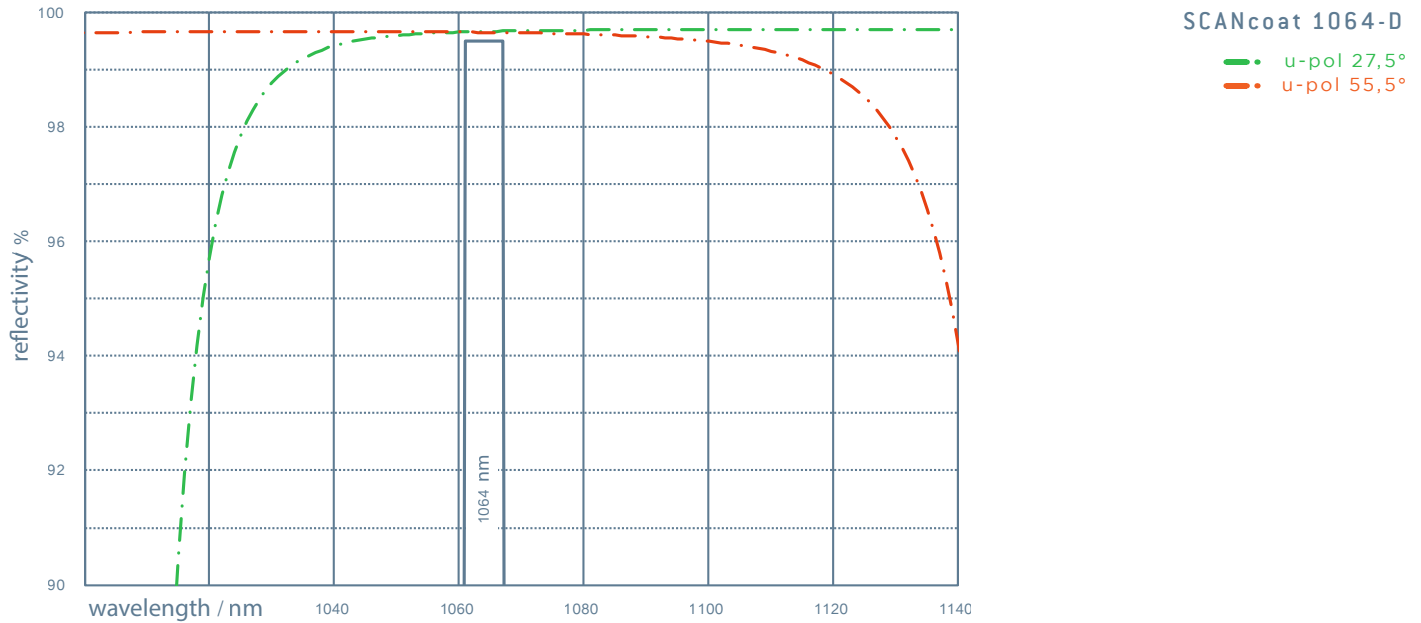


# optoSiC® SCANcoat 1064-D

HIGH POWER OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT 1064NM FOR AOI OF 45° AND 37,5°, RESPECTIVELY.



## 1064-D

		TYPICAL VALUES	
Wavelength [ $\lambda_1$ ]	(nm)	1064	s. spectrum
Wavelength [ $\lambda_2$ ]	(nm)	632,8	
Scan Angle	(°)	37,5 / 45° ± 10	27,5 - 55,5°
HR [ $\lambda_1$ ] @45° u-pol	(%)	> 99,5	± 0,5 %
R <sub>avg</sub> [ $\lambda_2$ ] @45 u-pol	(%)	> 60	± 5,0 %
Powerdensity	(kW/br)	1,5	LIDT* (@1064nm CW)
Damage Threshold / Energy Density	(J/cm²)	20,0	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/e<sup>2</sup>) +/-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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