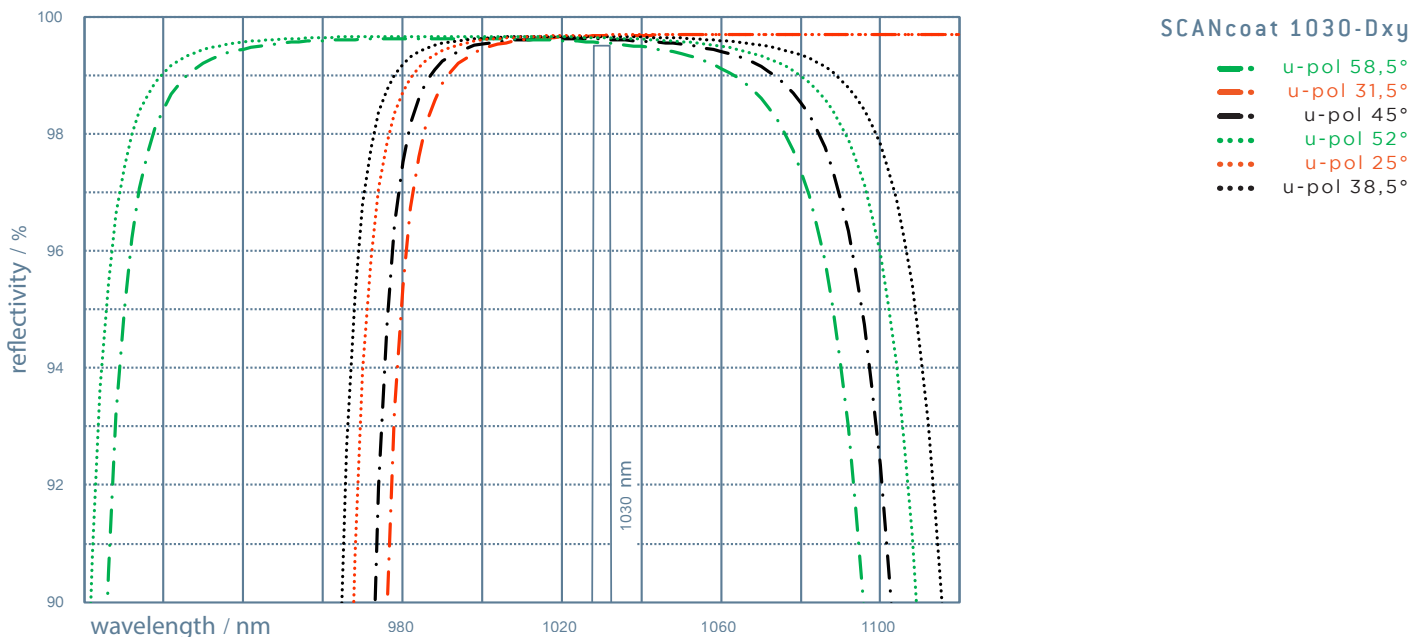


# optoSiC® SCANcoat 1030-Dxy

HIGH POWER OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT **1030NM** FOR AOI OF **45°** AND **37,5°**, RESPECTIVELY.



## 1030-Dxy

		TYPICAL VALUES	
Wavelength [ $\lambda_1$ ]	(nm)	1030nm $\pm$ 2nm	s. spectrum
Wavelength [ $\lambda_2$ ]	(nm)	632,8	
Scan Angle	(°)	38,5 / 45° $\pm$ 13,5	25 - 58,5
HR [ $\lambda_1$ ] @45° u-pol	(%)	> 99,5	
R <sub>avg</sub> [ $\lambda_2$ ] @45 u-pol	(%)	> 60	
Powerdensity	[kW/cm <sup>2</sup> ]	n.d.	LIDT* [@1064nm CW]
Damage Threshold / Energy Density	[J/cm <sup>2</sup> ]	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/e<sup>2</sup>) 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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