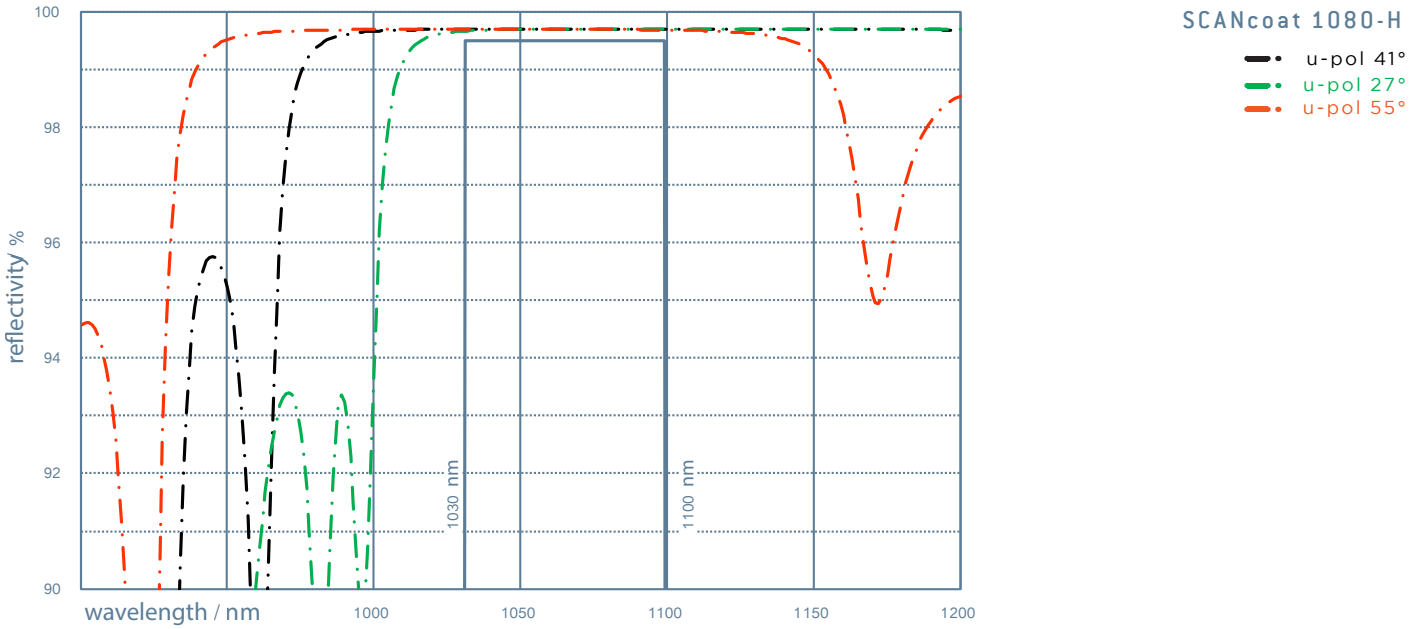
optoSiC® SCANcoat 1080-H

LOW-STRESS OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT **1080NM** FOR AOI OF **45°** AND **37,5°**, RESPECTIVELY.



1080-H		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	1030 ... 1100	s. spectrum
Wavelength [λ_2]	(nm)	632,8	
Scan Angle	(°)	41 ± 13,5	27 - 55
HR (λ_1) @45° u-pol	(%)	> 99,5	
R_{avg} (λ_2) @45 u-pol	(%)	> 70	
Powerdensity	(kW/cm²)	n.d.	LIDT* (@1064nm CW)
Damage Threshold / Energy Density	(J/cm²)	8,0	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/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

optoSiC® MERSEN

MERSEN Deutschland Holding GmbH & Co. KG
Division optoSiC

Baierbrunner Straße 39
D-81379 Munich
Germany

phone +49 (0) 89 780 7239 0
fax +49 (0) 89 780 7239 211
email info.munich@mersen.com

www.optosic.com
www.mersen.com