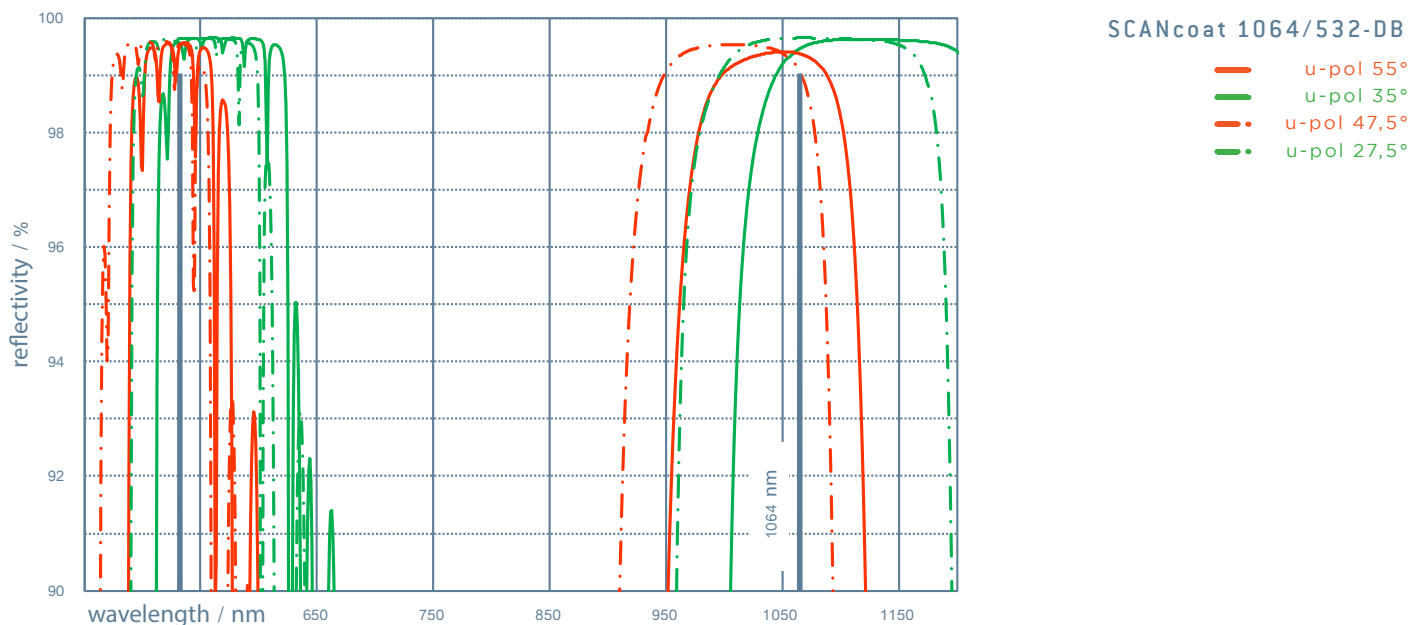


optoSiC® SCANcoat 1064/532-DB

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/cm²)	1,5	LIDT* (@532nm CW)
Damage Threshold / Energy Density	(J/cm²)	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) 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



**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