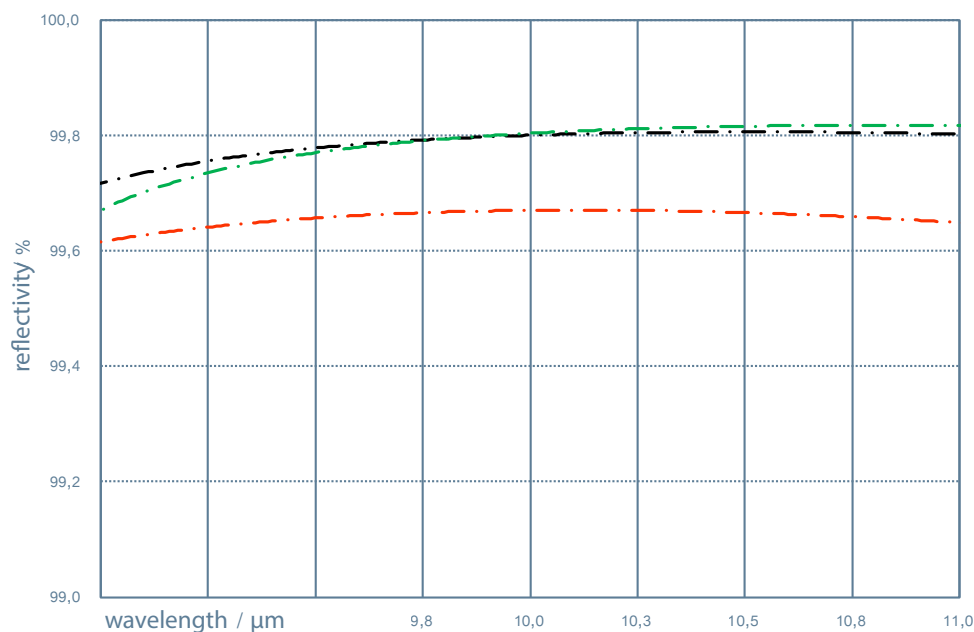


optoSiC® SCANcoat UltraMAX® HD for CO²

BROADBAND OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT 10600NM WITH PROTECTING LAYER FOR HARSH ENVIRONMENTS.



UltraMAX® HD for CO²

—•— u-pol 45°
—•— u-pol 15°
—•— u-pol 75°

UltraMAX® HD for CO²

		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	10600	± 2 %
Wavelength [λ_2]	(nm)	630 - 635	for alignment
Scan Angle	(°)	45 ± 10	
HR [λ_1] @45° u-pol	(%)	> 99,7	± 0,1 % ; AOI 45°
R _{avg} [λ_2] @45 u-pol	(%)	> 45	± 1 % ; AOI 45°
Powerdensity	[kW/cm ²]	>286 max. 320	
Damage Threshold / Energy Density	[J/cm ²]	-	not measured for pulsed radiation

- 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