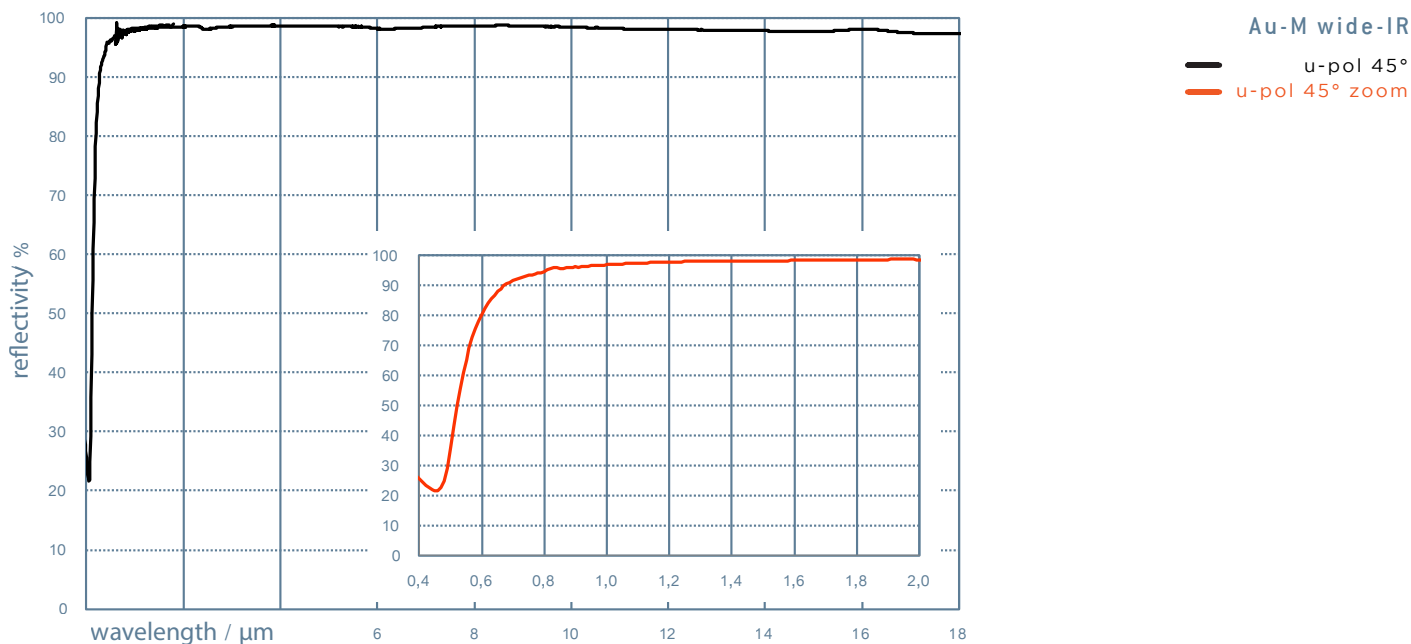


optoSiC® SCANcoat Au-M wide-IR

BROADBAND OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY FROM 2000 TO 12000NM.



Au-M wide-IR

		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	2000	s. spectrum
Wavelength [λ_2]	(nm)	12000	
Scan Angle	(°)	45 ± 10	
HR [λ_1] @45° u-pol	(%)	> 98	± 0,5 % ; AOI 45°
R _{avg} [λ_2] @45 u-pol	(%)	> 98	± 0,5 % ; AOI 45°
Powerdensity	[kW/cm²]	100	AOI 45°; 10,6μm
Damage Threshold / Energy Density	[J/cm²]	6,2	measured at 1064nm 10 ns, 1 Hz, 0°

- 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



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