



# NANEO<sup>®</sup>

NANEO - Precision IBS Coatings

## Technical Data Sheet

### Precision AR Coatings

AR / Anti Reflection Coating  
ARL / Anti Reflection Coating  $R < 0,02\%$   
ARBB / Broad Band Anti Reflection Coating

## Short Description

NANEO provides extremely low absorption high precision Anti Reflection (AR) coatings with high Laser Induced Damage Threshold (LIDT). Absorption values of only few ppm's, high damage thresholds and transmissions higher than 99,95% are typically achieved results. These ARs are fabricated with NANEO's proprietary precision coating technology on IBS (Ion Beam Sputtering) coating machines. NANEO achieves unique layer thickness precision. IBS provides the most dense, low loss, stable and endurable optical coatings among the optical coating technologies.

## Design Specifications

Wavelength: Range from 400 up to 1500nm  
Transmission: up to 99,99%  
Angle of incidence:  $0^\circ$  or specify angle  
Absorption: only a few ppm's (e.g.  $< 5\text{ppm}$ )  
  
Substrates: customized substrates

## Example Design

Type: AR-780-0- $10^\circ$ - $R < 0,01$   
Transmission:  $> 99,99\%$  @ 780nm  
AOI:  $0^\circ$   
LIDT:  $> 1\text{J} / \text{cm}^2$  @ 180fs 780nm  
customized design

