



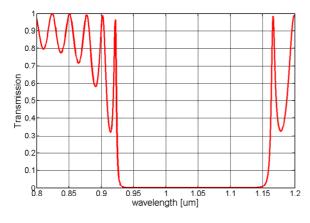
NANEO Precision IBS Coatings GmbH

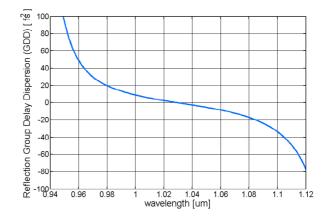
Technical Data Sheet	Precision High LIDT MPC Coatings MPC / Broadband Femtosecond Multi-Pass Cell Laser Mirrors		
Short	Multipass cells (MPCs) are used as nonlinear tools to perform spectral		
Description	broadening and temporal manipulation of laser pulses, while maintaining		
	a good spatial quality and spatio-spectral homogeneity.		
	These MDCs mirrors are fabricated with NANEO's proprietory presision		

These MPCs mirrors 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	Wavelength:	range from 500 up to 2000nm
Specifications	Reflection:	typically > 99,99%
	Angle of incidence:	0 to 10°
	LIDT:	up to >1,0J/cm ² depending on coating design
	GDD:	0 +/-50fs²
	Substrates:	dia 2 inch to 4 inch
		flat or curved substrates
Example	Туре:	MPC-965-1105- 50 -0°-R>99,995
Design PR0430	Reflection:	R > 99,995% @ 965 - 1105nm
	AOI:	0°
	LIDT	1,185J/cm² (1030nm, 200fs, 1-on1*)
	GDD:	+/- 50fs² @ 965 - 1105nm
	Substrates:	dia 25,4x6,35mm² pl/pl

 * apply safety margin for safe operation depending on pulse duration and pulse repetition rate





NANEO Precision IBS Coatings GmbH Heuriedweg 31a D-88131 Lindau Germany T +49 (0) 8382 / 911 39 50 F +49 (0) 8332 / 911 33 99 sales@naneo.com