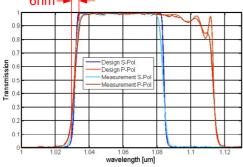
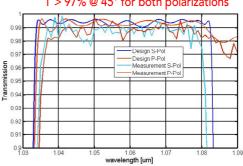




## NANEO Precision IBS Coatings GmbH

Technical Data Sheet	Beam Combiner Coatings BCW / Beam Combiner Wave Length BCP / Beam Combiner Polarization	
Short Description	Beam Combiner Coatings are mirrors for combining two laser beams either by polarization or by wavelength. Steep edges enable dense wavelength coupling. High reflection and transmission values enable a minimum of beam power losses. Power transmission and reflection of several kW are possible. These requirements can only be realized with highly accurate measurement technique during the coating process and with a lot of experience in the design creation. The Beam Combiners 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: Reflection: Transmission Edge steepness: Angle of incidence: Power:	Range from 400 up to 1500nm > 99% > 98% < 10nm 45° or specify angle several kW (transmission and reflection)
	Substrates:	customized substrates
Example Design	Type: Reflection: Transmission: AOI: customized design	BCW-T1035-1080/R1010-1025-45°-T>97,0/R>99,0 Rs+p > 99% @ 1010-1025nm Ts+p > 97% @ 1035-1080nm 45°
6nm-> <	AOI:	•





www.naneo.com

NANEO Precision IBS Coatings GmbH Maarweg 30 D-53619 Rheinbreitbach Germany T +49 (0) 2224 / 940 82 - 0 F +49 (0) 2224 / 940 82 - 4 sales@naneo.com