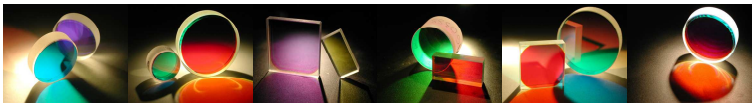

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Technical Data Sheet

Laser Output Coupler
OC / Output Coupler
OCBB / Broad Band Output Coupler
OCGF / Gain Flattening Output Coupler

Short Description

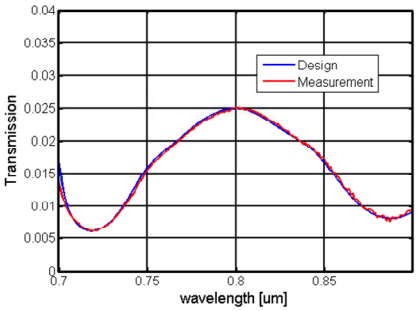
An output coupler is a semi-transparent dielectric mirror, typically used as a laser resonator boundary as transmitting part for the circulating intracavity optical power. A high efficiency low loss antireflection coating on the back side is available . The Output coupler product range includes also Broad Band Output Couplers (OCBB) and Gain Flattening Output Couplers (OCGF).
The Output Couplers 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.

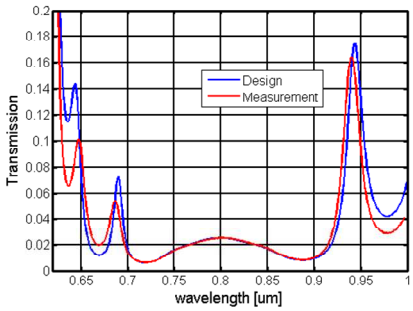
Design Specifications

Wavelength:	Range from 400 up to 1500nm
Reflection:	customized
Angle of incidence:	0° or specify
Substrates:	diameters ½" and 1" thickness 6,35 or 9,5mm ROC, with or without wedge customized substrates available on request

Example Design

Type:	OCGF-800-0°-R=97,5
Transmission:	T = 2,5% @ 800nm T shape targets @ 720 - 880nm
Back side:	R < 0,5% @ 730-870nm
AOI:	0°
customized design	





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