

DIN EN ISO 13697:2006-08 (E)

Optics and photonics - Lasers and laser-related equipment - Test methods for specular reflectance and regular transmittance of optical laser components (ISO 13697:2006)

Contents		Page
Foreword		2
Introduction		4
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Symbols used and units of measure	5
5	Test and calibration principles	5
5.1	General	5
5.2	Specular reflectance	5
5.3	Transmittance	6
5.4	Calibration	6
6	Preparation of test sample and measuring arrangement	10
6.1	General	10
6.2	Laser beam preparation	11
6.3	Chopper	11
6.4	Detector arrangement	11
7	Characteristic features of the laser beam	12
8	Test procedure	12
8.1	Calibration of the chopper mirror	12
8.2	Specular reflectance for near-normal incidence	13
8.3	Angular dependence of reflectance	14
8.4	Transmittance	15
9	Evaluation	16
9.1	Specular reflectance for near-normal incidence	16
9.2	Angular dependence of reflectance	16
9.3	Transmittance	16
10	Test report	17
Bibliography		19