

ISO 13697:2006-05 (E)

Optics and photonics - Lasers and laser-related equipment - Test methods for specular reflectance and regular transmittance of optical laser components

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