ISO 13697:2006-05 (E)

Optics and photonics - Lasers and laser-related equipment - Test methods for specular reflectance and regular transmittan ce 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