

---

---

**Information technology — 120 mm  
(8,54 Gbytes per side) and 80 mm  
(2,66 Gbytes per side) DVD re-recordable  
disk for dual layer (DVD-RW for DL)**

*Technologies de l'information — Disque DVD réenregistrable de  
120 mm (8,54 Go par face) et 80 mm (2,66 Go par face) pour double  
couche (DVD-RW pour DL)*

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO/IEC 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

Foreword .....	vii
Introduction.....	viii
1 Scope.....	1
2 Conformance .....	1
2.1 Optical Disk.....	1
2.2 Generating system .....	2
2.3 Receiving system .....	2
3 Normative references.....	2
4 Terms and definitions .....	2
5 Conventions and notations .....	5
5.1 Representation of numbers.....	5
5.2 Names.....	6
6 Acronyms .....	6
7 General description of a disk .....	7
8 General requirement .....	8
8.1 Environments.....	8
8.1.1 Test environment.....	8
8.1.2 Operating environment.....	8
8.1.3 Storage environment.....	9
8.1.4 Transportation .....	9
8.2 Safety requirements .....	9
8.3 Flammability.....	10
9 Reference measurement devices .....	10
9.1 Pick-Up Head (PUH) .....	10
9.1.1 PUH for measuring recorded disks .....	10
9.1.2 PUH for measuring unrecorded disks.....	12
9.2 Measurement conditions .....	13
9.2.1 Recorded and unrecorded disk .....	13
9.2.2 Recorded disk.....	13
9.2.3 Unrecorded disk .....	13
9.3 Normalized servo transfer function.....	14
9.4 Reference servo for axial tracking.....	14
9.4.1 Recorded disk.....	14
9.4.2 Unrecorded disk .....	16
9.5 Reference servo for radial tracking.....	17
9.5.1 Recorded disk.....	17
9.5.2 Unrecorded disk .....	18
10 Dimensional characteristics.....	19
10.1 Overall dimensions .....	21
10.2 First transition area .....	21
10.3 Second transition area.....	22
10.4 Clamping Zone.....	22
10.5 Third transition area.....	22
10.6 R-Information Zone .....	23
10.6.1 Sub-divisions of the R-Information Zone.....	23
10.7 Information Zone .....	23
10.7.1 Sub-divisions of the Information zone .....	23