

Hollow metallic waveguides - Part 2: Relevant
specifications for ordinary rectangular waveguides

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60153-2:2016 sisaldab Euroopa standardi EN 60153-2:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 60153-2:2016 consists of the English text of the European standard EN 60153-2:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Hollow metallic waveguides -
Part 2: Relevant specifications for ordinary rectangular
waveguides
(IEC 60153-2:2016)

Guides d'ondes métalliques creux -
Partie 2: Spécifications applicables relatives aux guides
d'ondes rectangulaires normaux
(IEC 60153-2:2016)

Metallische Hohlleiter -
Teil 2: Einzelbestimmungen für normale Rechteckhohlleiter
(IEC 60153-2:2016)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 46F/303/CDV, future edition 3 of IEC 60153-2, prepared by SC 46F "RF and microwave passive components", of IEC/TC 46 "Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60153-2:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-03-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-06-22

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Endorsement notice

The text of the International Standard IEC 60153-2:2016 was approved by CENELEC as a European Standard without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050	series	International Electrotechnical Vocabulary (IEV)	-	-
IEC 60153-1	2016	Hollow metallic waveguides - Part 1: General requirements and measuring methods	EN 60153-1	2016
IEC 60261	-	Sealing test for pressurized waveguide tubing and assemblies	HD 138 S2	-

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INTRODUCTION

This International Standard relates to straight hollow metallic tubing for use as waveguides in electronic equipment. In recent year the operation frequency of waveguide components and system has been extended to 1 THz and above. However, the first edition of the IEC 60153 series of standards only specified the aperture dimensions for ordinary rectangular waveguide for frequencies up to 325 GHz. In addition, the first edition of the IEC 60153 series of standards, dating from the 1960's, does not cover current applications. This new edition of IEC 60153-2 addresses these two issues by extending the frequency coverage to 3 300 GHz and by addressing current applications for this type of waveguide.