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Standards

Irish Standard  
I.S. EN 61300-3-38:2012

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures -- Part 3-38: Examinations and measurements - Group delay, chromatic dispersion and phase ripple (IEC 61300-3-38:2012 (EQV))

## I.S. EN 61300-3-38:2012

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EUROPEAN STANDARD

**EN 61300-3-38**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

**Fibre optic interconnecting devices and passive components -  
Basic test and measurement procedures -  
Part 3-38:Examinations and measurements -  
Group delay, chromatic dispersion and phase ripple  
(IEC 61300-3-38:2012)**

Dispositifs d'interconnexion et  
composants passifs à fibres optiques -  
Procédures fondamentales d'essais  
et de mesures -  
Partie 3-38: Examens et mesures -  
Retard de groupe, dispersion chromatique  
et fluctuation de phase  
(CEI 61300-3-38:2012)

Lichtwellenleiter -  
Verbindungselemente und passive  
Bauteile -  
Grundlegende Prüf- und Messverfahren -  
Teil 3-38: Untersuchungen und  
Messungen -  
Gruppenlaufzeitverzögerung,  
chromatische Dispersion und  
Phasenwelligkeit  
(IEC 61300-3-38:2012)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 86B/3394/FDIS, future edition 1 of IEC 61300-3-38, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61300-3-38:2012.

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) 2013-04-03
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60793-1-42	NOTE	Harmonised as EN 60793-1-42.
IEC 61300-1	NOTE	Harmonised as EN 61300-1.
IEC 61300-3-1	NOTE	Harmonised as EN 61300-3-1.
IEC 61300-3-32	NOTE	Harmonised as EN 61300-3-32.

## 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-731	-	International Electrotechnical Vocabulary (IEV) - Chapter 731: Optical fibre communication	-	-
IEC 61300-3-29	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-29: Examinations and measurements - Measurement techniques for characterising the amplitude of the spectral transfer function of DWDM components	EN 61300-3-29	-

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## CONTENTS

FOREWORD.....	5
1 Scope.....	7
2 Normative references .....	7
3 Terms and abbreviations .....	7
4 General description .....	8
5 Apparatus.....	9
5.1 Modulation phase shift method.....	9
5.1.1 General .....	9
5.1.2 Variable wavelength source VWS .....	9
5.1.3 Tracking filter (optional).....	9
5.1.4 Reference branching device RBD1, RBD2 .....	10
5.1.5 Wavelength monitor (optional) .....	10
5.1.6 Device under test DUT .....	10
5.1.7 Detectors D1, D2.....	10
5.1.8 RF generator .....	11
5.1.9 Amplitude modulator.....	11
5.1.10 Phase comparator .....	11
5.1.11 Temporary joints TJ1, TJ2 .....	11
5.1.12 Polarization controller (optional) .....	11
5.1.13 Reference jumper .....	12
5.2 Swept wavelength interferometry method .....	12
5.2.1 General .....	12
5.2.2 Tunable laser source TLS.....	12
5.2.3 Wavelength monitor.....	13
5.2.4 Reference branching devices RBD1, RBD2, RBD3 .....	13
5.2.5 Detectors D1, D2.....	13
5.2.6 Polarization controller.....	13
5.2.7 Polarization analyzer .....	13
5.3 Polarization phase shift method.....	13
5.3.1 General .....	13
5.3.2 Tunable laser source TLS.....	14
5.3.3 RF generator .....	14
5.3.4 Amplitude modulator.....	15
5.3.5 Polarization controller.....	15
5.3.6 Polarization splitter.....	15
5.3.7 Detectors D1, D2.....	15
5.3.8 Amplitude and phase comparator .....	16
6 Measurement procedure.....	16
6.1 Modulation phase shift method.....	16
6.1.1 Measurement principle .....	16
6.1.2 RF modulation frequency.....	16
6.1.3 Test sequence.....	18
6.1.4 Special notice for measurement of GDR .....	19
6.1.5 Calculation of relative group delay.....	19
6.2 Swept wavelength interferometry method .....	19
6.2.1 Measurement principle .....	19

6.2.2	Test sequence .....	20
6.2.3	Special notice for measurement of GDR .....	20
6.2.4	Calculation of group delay .....	20
6.3	Polarization phase shift method.....	21
6.3.1	Modulation frequency .....	21
6.3.2	Wavelength increment .....	22
6.3.3	Scanning wavelength and measuring CD .....	22
6.3.4	Calibration.....	22
6.3.5	Calculation of relative group delay and CD .....	23
6.4	Measurement window (common for all test methods).....	23
7	Analysis .....	25
7.1	Noise reduction of group delay measurement.....	25
7.1.1	Averaging .....	25
7.1.2	Spectral filtering .....	25
7.2	Linear phase variation .....	25
7.3	Chromatic dispersion.....	25
7.3.1	General .....	25
7.3.2	Finite difference calculation .....	26
7.3.3	Curve fit .....	26
7.4	Phase ripple .....	27
7.4.1	General .....	27
7.4.2	Slope fitting .....	27
7.4.3	GDR estimation .....	27
7.4.4	Phase ripple calculation.....	28
8	Examples of measurement .....	28
8.1	50GHz band-pass thin-film filter .....	28
8.2	Planar waveguide filter component.....	29
8.3	Tunable dispersion compensator (fiber bragg grating) .....	30
8.4	Random polarization mode coupling device.....	30
9	Details to be specified .....	31
Annex A (informative) Calculation of differential group delay .....		32
Bibliography.....		40
Figure 1 – MPS measurement method apparatus.....		9
Figure 2 – SWI measurement method apparatus.....		12
Figure 3 – PPS measurement method apparatus .....		14
Figure 4 – Sampling at the modulation frequency.....		18
Figure 5 – Measurement window centred on an ITU wavelength with a defined width .....		24
Figure 6 – Measurement window determined by the insertion loss curve at 3dB.....		24
Figure 7 – Calculated CD from fitted GD over a 25 GHz optical BW centred on the ITU frequency.....		26
Figure 8 – A 6th order polynomial curve is fitted to relative GD data over a 25 GHz optical BW centred on the ITU frequency .....		27
Figure 9 – Estimation of the amplitude of the GD ripple and the period .....		28
Figure 10 – GD and loss spectra for a 50 GHz-channel-spacing DWDM filter.....		28
Figure 11 – Measured GD and loss spectra for planar waveguide filter .....		29
Figure 12 – Measured CD and loss spectra for planar waveguide filter .....		29



Figure 13 – Measured GD deviation of a fibre Bragg grating .....	30
Figure 14 – Measured phase ripple of a fibre Bragg grating .....	30
Figure 15 – Measured GD for a device with random polarization mode coupling .....	31
Figure 16 – Measured CD for a device with random polarization mode coupling .....	31
Figure A.1 – Mueller states on Poincaré sphere .....	32
Figure A.2 – DGD spectrum for a 50 GHz bandpass filter, measured with 30 pm resolution BW .....	35
Figure A.3 – DGD versus wavelength for a random polarization mode coupling device (example) .....	37
Figure A.4 – DGD versus wavelength for a fibre Bragg grating filter (example) .....	37
Table 1 – Modulation frequency versus wavelength resolution for C-band.....	17
Table A.1 – Example of Mueller set.....	33

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES  
AND PASSIVE COMPONENTS –  
BASIC TEST AND MEASUREMENT PROCEDURES –**

**Part 3-38: Examinations and measurements –  
Group delay, chromatic dispersion and phase ripple**

## FOREWORD

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International Standard IEC 61300-3-38 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This first edition cancels and replaces the IEC/PAS 61300-3-38 published in 2007. This edition constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
86B/3394/FDIS	86B/3438/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The list of all parts of IEC 61300 series, published under the general title, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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