



BSI Standards Publication

Fibre optic active components and devices — Performance standards

Part 12: Distributed feedback laser diode device
for analogue radio over fibre systems

National foreword

This British Standard is the UK implementation of EN 62149-12:2023. It is identical to IEC 62149-12:2023.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/3, Fibre optic systems and active devices.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Published by BSI Standards Limited 2023

ISBN 978 0 539 19630 6

ICS 33.180.20

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2023.

Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Fibre optic active components and devices - Performance
standards - Part 12: Distributed feedback laser diode device for
analogue radio over fibre systems
(IEC 62149-12:2023)

Composants et dispositifs actifs fibroniques - Normes de
performances - Partie 12: Dispositif à diode laser à
rétroaction répartie pour systèmes radio analogiques sur
fibre
(IEC 62149-12:2023)

Aktive Lichtwellenleiterbauelemente und -geräte -
Betriebsverhaltensnormen - Teil 12:
Laserdiodenbauelemente mit verteilter Rückkopplung für
analoge Funksignalübertragung über LWL-Systeme
(IEC 62149-12:2023)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 86C/1808/CDV, future edition 1 of IEC 62149-12, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62149-12:2023.

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) 2023-12-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-03-17

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Endorsement notice

The text of the International Standard IEC 62149-12:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 62007-1	NOTE	Approved as EN 62007-1
IEC 62149-2	NOTE	Approved as EN 62149-2
IEC 62149-7	NOTE	Approved as EN 62149-7
IEC 62149-8	NOTE	Approved as EN 62149-8
IEC 62149-10	NOTE	Approved as EN IEC 62149-10

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where 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 60749-6	-	Semiconductor devices - Mechanical and climatic test methods - Part 6: Storage at high temperature	EN 60749-6	-
IEC 60749-7	-	Semiconductor devices - Mechanical and climatic test methods - Part 7: Internal moisture content measurement and the analysis of other residual gases	EN 60749-7	-
IEC 60749-10	-	Semiconductor devices - Mechanical and climatic test methods - Part 10: Mechanical shock - device and subassembly	EN IEC 60749-10	-
IEC 60749-11	-	Semiconductor devices - Mechanical and climatic test methods - Part 11: Rapid change of temperature - Two-fluid-bath method	EN 60749-11	-
IEC 60749-12	-	Semiconductor devices - Mechanical and climatic test methods - Part 12: Vibration, variable frequency	EN IEC 60749-12	-
IEC 60749-25	-	Semiconductor devices - Mechanical and climatic test methods - Part 25: Temperature cycling	EN 60749-25	-
IEC 60749-26	-	Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM)	EN IEC 60749-26	-
IEC 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 60950-1	-	Information technology equipment - Safety - Part 1: General requirements	-	-
IEC 61300-2-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre or cable retention	EN IEC 61300-2-4	-

EN IEC 62149-12:2023 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-2-19	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-19: Tests - Damp heat (steady state)	EN 61300-2-19	-
IEC 61300-2-48	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-48: Tests - Temperature-humidity cycling	EN 61300-2-48	-
IEC 62149-1	-	Fibre optic active components and devices - Performance standards - Part 1: General and guidance	EN 62149-1	-