

BS EN 62149-8:2014



BSI Standards Publication

Fibre optic active components and devices — Performance standards

Part 8: Seeded reflective semiconductor optical amplifier devices

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This British Standard is the UK implementation of EN 62149-8:2014. It is identical to IEC 62149-8:2014.

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

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

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD
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English Version

**Fibre optic active components and devices - Performance standards - Part 8: Seeded reflective semiconductor optical amplifier devices
(IEC 62149-8:2014)**

Composants et dispositifs actifs à fibres optiques - Normes de performances - Partie 8: Dispositifs amplificateurs optiques à semiconducteurs réfléchissants répartis
(CEI 62149-8:2014)

Aktive Lichtwellenleiterbauelemente und -geräte - Betriebsverhalten - Teil 8: Injizierte reflektierende optische Halbleiterverstärker
(IEC 62149-8:2014)

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

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Foreword

The text of document 86C/1144/CDV, future edition 1 of IEC 62149-8, 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 62149-8:2014.

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) 2015-02-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-05-29

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60191 (all parts)	NOTE	Harmonized as EN 60191 (all parts).
IEC 60747-5-1	NOTE	Harmonized as EN 60747-5-1.
IEC 60749 (all parts)	NOTE	Harmonized as EN 60749 (all parts).
IEC 60825 (all parts)	NOTE	Harmonized as EN 60825 (all parts).
IEC 60874 (all parts)	NOTE	Harmonized as EN 60874 (all parts).
IEC 61290-1-3	NOTE	Harmonized as EN 61290-1-3.
IEC 62007-1	NOTE	Harmonized as EN 62007-1.
IEC 62007-2	NOTE	Harmonized as EN 62007-2.
IEC 62148-1	NOTE	Harmonized as EN 62148-1.
IEC 62149-1	NOTE	Harmonized as EN 62149-1.

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:
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<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	EN 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 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 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	EN 60950-1	-
IEC 61300-2-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures -- Part 2-4: Tests - Fibre/cable retention	EN 61300-2-4	-

<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 Guide 107	-	Electromagnetic compatibility - Guide to the drafting of electromagnetic compatibility publications	-	-