

TECHNICAL REPORT



Optical amplifiers – Part 3: Classification, characteristics and applications



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL AMPLIFIERS –

Part 3: Classification, characteristics and applications

FOREWORD

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IEC TR 61292-3, which is a technical report, has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2003. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) document architecture now focuses on EDFA, FRA and SOA;
- b) the description of PDFFA and TDFA has been moved to the annexes;
- c) the EDWA description has been deleted;

- d) information on single channel amplification, multi-channel amplification, configuration and control method for EDFA, FRA and SOA has been added;
- e) information on future amplifiers, arrayed amplifiers and SDM amplifiers has been added.

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

Draft TR	Report on voting
86C/1597/DTR	86C/1630/RVDTR

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

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

A list of all parts in the IEC 61292 series, published under the general title *Optical amplifiers*, can be found on the IEC website.

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

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