

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic active components and devices – Package and interface standards –
Part 11: 14-pin active device modules**

**Composants et dispositifs actifs en fibres optiques – Normes de boîtier et
d'interface –
Partie 11: Modules de dispositifs actifs de 14 broches**





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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PACKAGE AND INTERFACE STANDARDS –****Part 11: 14-pin active device modules**

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International Standard IEC 62148-11 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This standard is to be read in conjunction with IEC 62148-1.

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

The first edition was limited to 14-pin modulator-integrated laser diode transmitters. The second edition has been expanded to include 14-pin pump lasers and the title changed to reflect the new scope.

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

FDIS	Report on voting
86C/882/FDIS	86C/898/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.

A list of all parts of the IEC 62148 series, published under the general title *Fibre optic active components and devices – Package and interface standards*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

Modulator integrated laser diode transmitters are used to convert electrical signals into optical signals. Pump diode lasers are used to supply optical pump power in the rare earth doped optical fibre amplifiers. This standard covers the physical interface for modulator integrated laser diode transmitters and pump diode lasers. These transmitters and lasers are designed as a pigtailed 14-pin butterfly package with thermo-electric cooler.