

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Semiconductor optoelectronic devices for fibre optic system applications –  
Part 2: Measuring methods**

**Dispositifs optoélectroniques à semiconducteurs pour application dans les  
systèmes à fibres optiques –  
Partie 2: Méthodes de mesure**





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## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references.....	7
3 Terms, definitions and abbreviations.....	7
3.1 Terms and definitions.....	7
3.2 Abbreviations.....	8
4 Measuring methods for photoemitters.....	8
4.1 Outline of the measuring methods.....	8
4.2 Radiant power or forward current of LEDs and LDs with or without optical fibre pigtails.....	8
4.3 Small signal cut-off frequency ( $f_c$ ) of LEDs and LDs with or without optical fibre pigtails.....	9
4.4 Threshold current of LDs with or without optical fibre pigtails.....	10
4.5 Relative intensity noise of LEDs and LDs with or without optical fibre pigtails.....	12
4.6 $S_{11}$ parameter of LEDs, LDs and LD modules with or without optical fibre pigtails.....	13
4.7 Tracking error for LD modules with optical fibre pigtails, with or without cooler.....	15
4.8 Spectral linewidth of LDs with or without optical fibre pigtails.....	17
4.9 Modulation current at 1 dB efficacy compression ( $I_F$ (1 dB)) of LEDs.....	18
4.10 Differential efficiency ( $\eta_d$ ) of a LD with or without pigtail and an LD module.....	20
4.11 Differential (forward) resistance $r_d$ of an LD with or without pigtail.....	22
5 Measuring methods for receivers.....	23
5.1 Outline of the measuring methods.....	23
5.2 Noise of a PIN photodiode.....	23
5.3 Excess noise factor of an APD with or without optical fibre pigtails.....	25
5.4 Small-signal cut-off frequency of a photodiode with or without optical fibre pigtails.....	27
5.5 Multiplication factor of an APD with or without optical fibre pigtails.....	28
5.6 Responsivity of a PIN-TIA module.....	30
5.7 Frequency response flatness ( $\Delta S/S$ ) of a PIN-TIA module.....	32
5.8 Output noise power (spectral) density $P_{no,\lambda}$ of a PIN-TIA module.....	33
5.9 Low frequency output noise power (spectral) density ( $P_{no,\lambda,LF}$ ) and corner frequency ( $f_{cor}$ ) of a PIN-TIA module.....	35
5.10 Minimum detectable power of PIN-TIA module.....	36
Bibliography.....	38
Figure 1 – Equipment setup for measuring radiant power and forward current of LEDs and LDs.....	8
Figure 2 – Circuit diagram for measuring small-signal cut-off frequency LEDs and LDs.....	10
Figure 3 – Circuit diagram for measuring threshold current of a LD.....	11
Figure 4 – Graph to determine threshold current of lasers.....	11
Figure 5 – Circuit diagram for measuring RIN of LEDs and LDs.....	12
Figure 6 – Circuit diagram for measuring the $S_{11}$ parameter LEDs, LDs and LD modules.....	14

Figure 7– Cathode and anode connected to the package of a LD.....	15
Figure 8 – Output radiant power versus time.....	16
Figure 9 – Output radiant power versus case temperature .....	16
Figure 10 – Circuit diagram for measuring linewidth of LDs.....	17
Figure 11 – Circuit diagram for measuring 1 dB efficacy compression of LDs.....	19
Figure 12 – Plot of $\log V_2$ versus $\log I_1$ .....	20
Figure 13 – Circuit diagram for measuring differential efficiency of a LD .....	21
Figure 14 – Current waveform for differential efficiency measurement .....	21
Figure 15 – Circuit diagram for measuring differential resistance .....	22
Figure 16 – Current waveform for differential resistance .....	23
Figure 17 – Circuit diagram for measuring noise of a PIN photoreceiver .....	24
Figure 18 – Circuit diagram for measuring noise with synchronous detection .....	25
Figure 19 – Circuit diagram for measuring excess noise of an APD.....	26
Figure 20 – Circuit diagram for measuring small-signal cut-off wavelength of a photodiode.....	28
Figure 21 – Circuit diagram for measuring multiplication factor of an APD .....	29
Figure 22 – Graph showing measurement of $I_{R1}$ and $I_{R2}$ .....	30
Figure 23 – Circuit diagram for measuring responsivity of a PIN-TIA module .....	31
Figure 24 – Circuit diagram for measuring frequency response flatness of a PIN-TIA module.....	32
Figure 25 – Circuit diagram for measuring output noise power (spectral) density of a PIN-TIA module under matched output conditions.....	34
Figure 26 – Circuit diagram for measuring output noise power (spectral) density of a non-irradiated PIN-TIA module in the low frequency region.....	35
Figure 27 – Graph of $V_m$ versus frequency.....	36
Figure 28 – Circuit diagram for measuring minimum detectable power of a PIN-TIA module at a specified bit-error rate ( $BER$ ) or carrier-to-noise ratio ( $C/N$ ) .....	37

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**SEMICONDUCTOR OPTOELECTRONIC DEVICES  
FOR FIBRE OPTIC SYSTEM APPLICATIONS –****Part 2: Measuring methods**

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This second edition cancels and replaces the first edition published in 1997, and its amendment 1(1998). It is a technical revision.

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

- a) descriptions related to analogue characteristics have been removed;
- b) some definitions and terms have been revised for harmonisation with other standards originating from SC 86C.

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

FDIS	Report on voting
86C/868/FDIS	86C/870/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 62007 series can be found, under the general title *Semiconductor optoelectronic devices for fibre optic system applications*, 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;
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## INTRODUCTION

Semiconductor optical signal transmitters and receivers play important roles in optical information networks. This standard covers the measurement procedures for their optical and electrical properties that are intended for digital communication systems. These properties are essential to specify their performance.