



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50378-3-2:2007

ICS 33.180.20

**PASSIVE COMPONENTS TO BE USED IN  
OPTICAL FIBRE COMMUNICATION  
SYSTEMS - PRODUCT SPECIFICATIONS --  
PART 3-2: TYPE 4 / 8 CHANNEL CWDM  
MODULE TERMINATED ON IEC 60793-2-50  
CATEGORY B1.1 AND B1.3 SINGLE MODE  
FIBRE**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 50378-3-2**

August 2007

ICS 33.180.20

English version

**Passive components to be used in optical fibre communication systems -  
Product specifications -  
Part 3-2: Type 4 / 8 channel CWDM module terminated on IEC 60793-2-50  
category B1.1 and B1.3 single mode fibre**

Composants passifs destinés  
à être utilisés dans des systèmes  
de communication à fibres optiques -  
Spécifications de produit -  
Partie 3-2: Modules CWDM type 4 / 8  
canaux câblés sur fibres unimodales  
de catégories B1.1 et B1.3  
de la CEI 60793-2-50

Passive Bauteile zur Verwendung  
in Lichtwellenleiter-  
Kommunikationssystemen -  
Produktnormen -  
Teil 3-2: Bauart 4-/8-Kanal-CWDM-  
Module zum Anschluss an  
Einmodenfasern der Kategorien  
B1.1 und B1.3 nach IEC 60793-2-50

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**CENELEC**

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 86BXA, Fibre optic interconnect, passive and connectorised components.

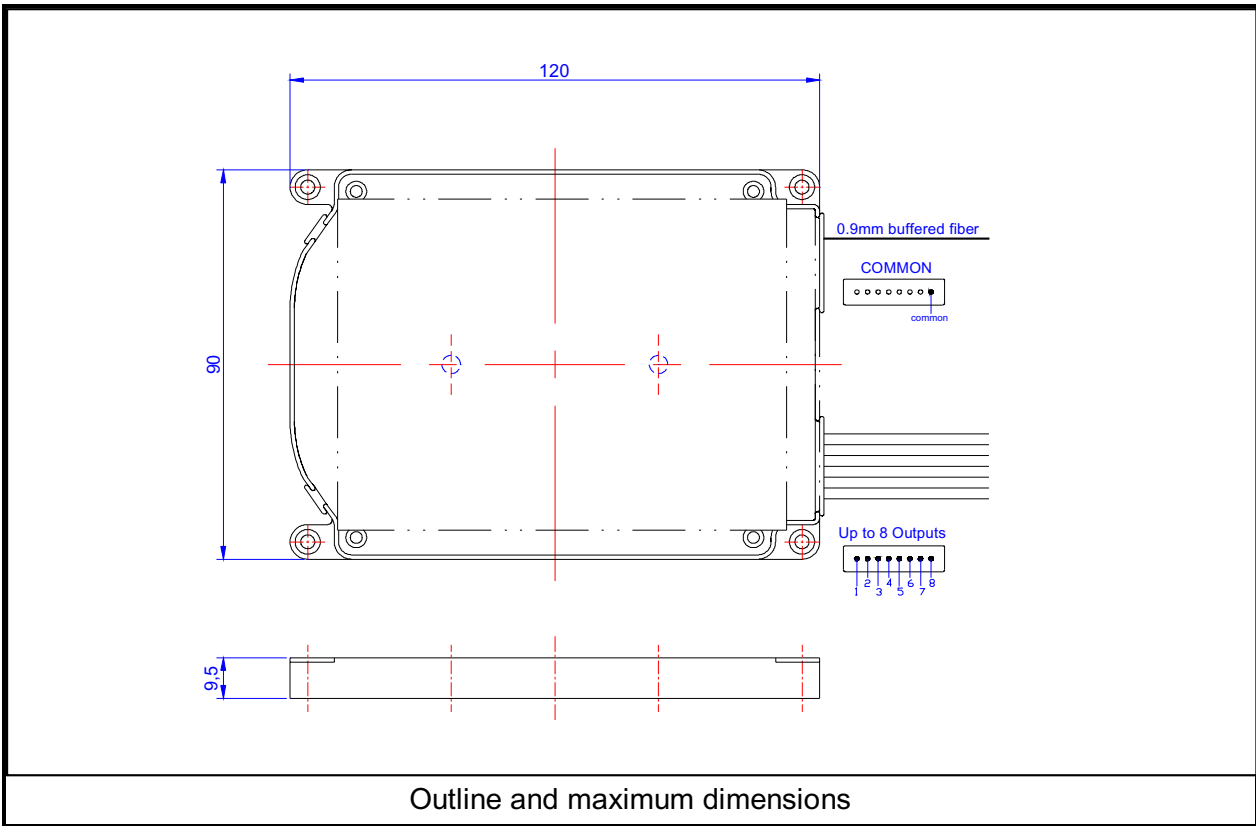
The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50378-3-2 on 2007-06-01.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2008-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2010-06-01

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<b>Passive components to be used in optical fibre communication systems - Product specifications</b>			
<b>Part 3-2: Type 4 / 8 channel CWDM module terminated on IEC 60793-2-50 category B1.1 and B1.3 single mode fibre</b>			
Type:	Description 4 / 8 channel CWDM module	Application:	Performance For use in uncontrolled environment
Configuration:	pigtailed module	Attenuation	<b>EN 61753-1 Category U</b> Mux/Demux: 4 channel / 8 channel < 2,3 dB < 3,9 dB
Fibre category:	EN 60793-2-50 Type B1.1 and B1.3	Cumulative inter channel isolation	Mux / Demux: 4 channel / 8 channel ≥ 30 dB
Cable type: fibre	900 µm buffered	Return loss: Grade 3	≥ 45 dB
Related documents:			
EN 50377 series	Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications		
EN 60794-2	Optical fibre cables - Part 2: Indoor cables - Sectional specification (IEC 60794-2)		
EN 61300 series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures (IEC 61300 series)		
EN 61753-1	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards (IEC 61753-1)		
IEC/PAS 62074-1	Fibre Optic WDM devices - Part 1: Generic specification		
ETSI ES 201 791	Transmission and Multiplexing (TM) - Passive optical components - Dense Wavelength Division Multiplexing devices - Common requirements and conformance testing		
ETSI ETS 300-019-1-3	Equipment Engineering (EE) - Environmental conditions and environmental tests for telecommunications equipment - Part 1-3: Classification of environmental conditions - Stationary use at weather protected locations		
ITU Recommendation G 671	Transmission characteristics of optical components and subsystems		



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