

Förderverein für Elektrotechnische Normung (FEN) e. V.
Cenelec Electronic Components Committee

CECC

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE:

ATTENUATEURS A FIBRES OPTIQUES

Type: Fixe, Bidirectionnel

Style: Configuration A, Type de fibre B1.2

Harmonized System of Quality Assessment for
Electronic Components

DETAIL SPECIFICATION:

FIBRE OPTIC ATTENUATORS

Type: Fixed, Bidirectional

Style: Configuration A, Fibre Type B1.2

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

BAUARTSPEZIFIKATION:

FASEROPTISCHE DÄMPFUNGSGLIEDER

Bauart: Festwert, Zweiweg

Bauform: Aufbau A, Fasertyp B1.2



1

Edition
Issue
Ausgabe

CECC 80 101-802

1994

AUSTRIA

Österreichischer Verband für Elektrotechnik (ÖVE)
Eschenbachgasse 9
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BELGIUM

Comité Electrotechnique Belge
Avenue F. Van Kalken, 9
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DENMARK

Dansk Elektroteknisk Komite
Dansk Standard
Electrotechnical Sector
Baunegårdsvej 73
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FINLAND

Finnish Electrotechnical Standards Association (SESKO)
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FRANCE

Union technique de l'Electricité
Participation française au CECC
F-92052 PARIS La Défense Cedex 64

GERMANY

Deutsche Elektrotechnische Kommission im DIN und VDE (DKE)
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IRELAND

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SPAIN

New Spanish Member
to be determined.

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UNITED KINGDOM

UK Electronic Components Policy Council
Electrical Department
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Information about the System may be obtained from:



FEN e.V. Secretariat
and
CECC General Secretariat
Gartenstraße 179
D - 60596 Frankfurt
Telephone: Int. + 49 69 639171
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or from the National Authorized Institutions
of the participating countries listed
who can supply copies of:

- 1 The Internal Regulations of the FEN e.V.
- 2 The Rules of Procedure of the System
- 3 CECC Specifications of the FEN and National Specifications for the System
- 4 CECC 00 200: Register of Firms, Products, and Services Approved under the CECC System
- 5 CECC 00 300: Register of National Documents Implementing CECC Publications and CECC European Standards
- 6 CECC 00 301: Register of CECC Specifications and Related Detail Specifications
- 7 Other CECC Publications and publicity documents

[1] Specification available from: CECC GENERAL SECRETARIAT	[2] CECC 80 101-802 Page 1 of 18
[3] ELECTRONIC COMPONENT OF ASSESSED QUALITY IN ACCORDANCE WITH GENERIC SPECIFICATION CECC 80 000 ISSUE 1 BLANK DETAIL SPECIFICATION CECC 80 101 ISSUE 1	[4] Issue 1

[5] DETAIL SPECIFICATION for

FIBRE OPTIC ATTENUATOR OF ASSESSED QUALITY

Style: - Configuration: A Type: - Fixed
 - Fibre Type: See below - Bidirectional
 - Connector Set: Not applicable

[6] Assessment Qualification Approval Climatic
 Level: B Procedure: Fixed sample category: 25/070/21

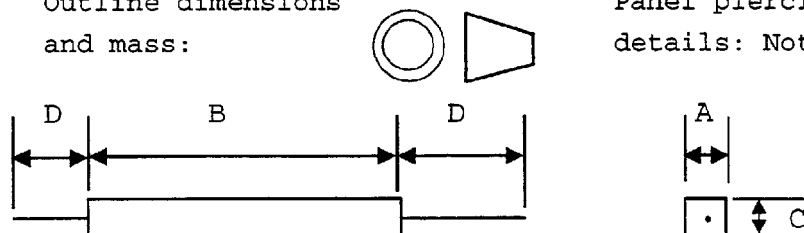
[7] Outline dimensions
and mass:Panel piercing and mounting
details: Not applicable.

Figure 1 (Not to scale)

Mass (g): < 10.

[8] Variants:

Dimensions (mm)			
Ref.	Min.	Max.	Notes
A	4	12	
B	50	80	
C	4	7,5	
D	1200	1500	Pigtail

Variant No	Attenuation (dB)	Pigtail type
A01	3	Tight jacket 2,7 mm O.D
A02	6	Tight jacket 2,7 mm O.D
A03	10	Tight jacket 2,7 mm O.D
A04	15	Tight jacket 2,7 mm O.D
A05	20	Tight jacket 2,7 mm O.D
A06	3	Loose tube 0,5 mm/ 1,1 mm
A07	6	Loose tube 0,5 mm/ 1,1 mm
A08	10	Loose tube 0,5 mm/ 1,1 mm
A09	15	Loose tube 0,5 mm/ 1,1 mm
A10	20	Loose tube 0,5 mm/ 1,1 mm

Information about manufacturers who have components qualified to this
 Detail Specification is available in the current CECC 00 200, Register
 of Approvals.

[9] SUPPLEMENTARY INFORMATION

Marking of the component (see 2.7.2 of CECC 80 000):

1. Manufacturer's identification mark
2. Manufacturer's date code
3. Manufacturer's part number
4. Variant identification number
5. Nominal attenuation value

Marking of package (see 2.7.3 of CECC 80 000):

1. Manufacturer's identification mark
2. Manufacturer's part number
3. Manufacturer's date code
4. Variant identification number
5. Nominal attenuation level
6. Assessment level

Ordering information:

CECC 80 101-802-(Variant number)

Related documents:

Not applicable.

Certified records of released lots:

Certificate is required (see 3.5 of CECC 80 000).

Structural similarity:

See clause 3.2 of CECC 80 000.

[10] TABLE 1: FIXED SAMPLE INSPECTION TEST SCHEDULE			
	Test Sequence (Note)	CECC 80 000 Clause	Sample Size
GROUP 0	Visual inspection Dimensions	4.4.1 4.4.2	45
GROUP 1	Attenuation value at 1,31 μm Attenuation value at 1,55 μm Return loss at 1,31 μm Return loss at 1,55 μm	4.4.5 4.4.6	20
GROUP 2	Cold Dry heat Damp heat	4.5.17 4.5.18 4.5.19	10
GROUP 3	Change of temperature Climatic sequence	4.5.22 4.5.20	10
GROUP 4	Vibration Pulling	4.5.1 4.5.4	5

Note: For details, measurements and performance requirements see table 4.

[11] TABLE 2:
LOT-BY-LOT INSPECTION TEST SCHEDULE
(GROUPS A AND B)

Test Sequence (Note 1)		CECC 80 000 Clause	Assessment Level (Note 2)
GROUP A	Visual inspection	4.4.1	C
	Dimensions	4.4.2	
GROUP B	Attenuation value at 1,31 μm	4.4.5	C
	Attenuation value at 1,55 μm		
	Return loss at 1,31 μm	4.4.6	
	Return loss at 1,55 μm		

Note 1: For details, measurements and performance requirements see table 4.

Note 2: See 2.1.5 of CECC 80 000 for inspection levels (IL) and acceptance quality levels (AQL).