

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

CECC

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE:

COUPLEURS A FIBRES OPTIQUES

Type: Non selectif en longueur d'onde
Transmission Etoile

1 x 8 portes bidirectionnel

Style: Configuration A, Type de fibre B1.2

Harmonized System of Quality Assessment for
Electronic Components

DETAIL SPECIFICATION:

FIBRE OPTIC BRANCHING DEVICES

Type: Non Wavelength Selective
Transmissive Star

1 x 8 Ports Bidirectional

Style: Configuration A, Fibre Type B1.2

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

BAUARTSPEZIFIKATION:

FASEROPTISCHE VERZWEIGER

Bauart: Nichtwellenlängenselektiver
Übertragungsstern

1 x 8 Tore zweiseitig gerichtet

Bauform: Aufbau A, Fasertyp B1.2



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Edition
Issue
Ausgabe

CECC 81 101-805

1994

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
Telefax: Int. + 49 69 639427

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

AUSTRIA
Österreichischer Verband für Elektrotechnik (ÖVE)
Eschenbachgasse 9
A-1010 VIENNA

BELGIUM
Comité Electrotechnique Belge
Avenue F. Van Kalken, 9
B-1070 BRUSSELS

DENMARK
Dansk Elektroteknisk Komite
Dansk Standard
Electrotechnical Sector
Baunegårdsvej 73
DK-2900 HELLERUP

FINLAND
Finnish Electrotechnical Standards Association (SESKO)
P.O. Box 134
SF-00211 HELSINKI 21

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)
Stresemannallee 15
D-60596 FRANKFURT

IRELAND
EOLAS - The Irish Science and Technology Agency
Glasnevin
IRL-DUBLIN 9

ITALY
Comitato Elettrotecnico Italiano (CEI)
Viale Monza, 259
I-20126 MILAN

NETHERLANDS
Nederlands Elektrotechnisch Comité (NEC)
Kalfjeslaan 2
P.O. Box 5059
NL-2600 GB DELFT

NORWAY
Norsk Elektroteknisk Komite (NEK)
P.O. Box 280
Skøyen
N-0212 OSLO 2

PORTUGAL
Instituto Português da Qualidade
Rua José Estevão, 83A
P-1199 LISBOA CODEX

SPAIN
New Spanish Member
to be determined.

SWEDEN
Svenska Elektriska Kommissionen (SEK)
Box 1284
S-16428 KISTA-STOCKHOLM

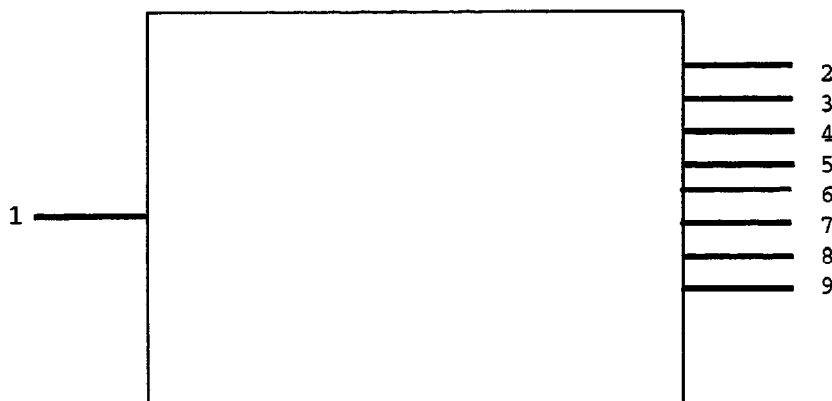
SWITZERLAND
Schweizerischer Elektrotechnischer Verein (SEV)
Luppenstr. 1
CH-8320 FEHRLTORF

UNITED KINGDOM
UK Electronic Components Policy Council
Electrical Department
British Standards Institution
2, Park Street
GB-LONDON W1A 2BS

[8] Variants:

Variant No	Operating wavelengths range (μm)	Pigtail type
A-01	$1,31 \pm 0,05$	primary coating
	$1,55 \pm 0,05$	

Transfer matrix and numbering of ports:



Launch Port	Receive Ports								
	1	2	3	4	5	6	7	8	9
1	$a_{11} > 50$	$a_{12} = 11$	$a_{13} = 11$	$a_{14} = 11$	$a_{15} = 11$	$a_{16} = 11$	$a_{17} = 11$	$a_{18} = 11$	$a_{19} = 11$
2	$a_{21} = 11$	$a_{22} > 50$	$a_{23} > 55$	$a_{24} > 55$	$a_{25} > 55$	$a_{26} > 55$	$a_{27} > 55$	$a_{28} > 55$	$a_{29} > 55$
3	$a_{31} = 11$	$a_{32} > 55$	$a_{33} > 50$	$a_{34} > 55$	$a_{35} > 55$	$a_{36} > 55$	$a_{37} > 55$	$a_{38} > 55$	$a_{39} > 55$
4	$a_{41} = 11$	$a_{42} > 55$	$a_{43} > 55$	$a_{44} > 50$	$a_{45} > 55$	$a_{46} > 55$	$a_{47} > 55$	$a_{48} > 55$	$a_{49} > 55$
5	$a_{51} = 11$	$a_{52} > 55$	$a_{53} > 55$	$a_{54} > 55$	$a_{55} > 50$	$a_{56} > 55$	$a_{57} > 55$	$a_{58} > 55$	$a_{59} > 55$
6	$a_{61} = 11$	$a_{62} > 55$	$a_{63} > 55$	$a_{64} > 55$	$a_{65} > 55$	$a_{66} > 50$	$a_{67} > 55$	$a_{68} > 55$	$a_{69} > 55$
7	$a_{71} = 11$	$a_{72} > 55$	$a_{73} > 55$	$a_{74} > 55$	$a_{75} > 55$	$a_{76} > 55$	$a_{77} > 50$	$a_{78} > 55$	$a_{79} > 55$
8	$a_{81} = 11$	$a_{82} > 55$	$a_{83} > 55$	$a_{84} > 55$	$a_{85} > 55$	$a_{86} > 55$	$a_{87} > 55$	$a_{88} > 50$	$a_{89} > 55$
9	$a_{91} = 11$	$a_{92} > 55$	$a_{93} > 55$	$a_{94} > 55$	$a_{95} > 55$	$a_{96} > 55$	$a_{97} > 55$	$a_{98} > 55$	$a_{99} > 50$

Note: Values in dB.

[9] SUPPLEMENTARY INFORMATION

Marking of the component (see 2.7.2 of EN 181 000):

1. Manufacturer's identification mark
2. Manufacturer's date code
3. Manufacturer's part number
4. Variant letter number

Marking and contents of package (see 2.7.3 of EN 181 000):

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

Ordering information (see 2.9 of EN 181 000):

CECC 81 101-805-(Variant number)

Related documents:

Not applicable.

Certified records of released lots:

Certificate is required (see 3.5 of EN 181 000).

Structural similarity:

See 3.2 of EN 181 000.

[10] TABLE 1: FIXED SAMPLE INSPECTION TEST SCHEDULE			
Test Sequence (Note)		EN 181 000 Clause	Sample Size
GROUP 0	Visual inspection Dimensions	4.5.1 4.5.2	20
GROUP 1	Insertion loss between conducting ports at 1310 nm, 1550 nm Insertion loss between isolated ports at 1310 nm, 1550 nm	4.5.5 4.5.6	5
GROUP 2	Cold Dry heat Damp heat	4.6.17 4.6.18 4.6.19	5
GROUP 3	Change of temperature Climatic sequence	4.6.22 4.6.20	5
GROUP 4	Vibration Pulling Drop test	4.6.1 4.6.4 4.6.15	5

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