



IECQ Certificate of Conformity Qualification

IECQ Certificate No.:	IECQ-C BSI 15.0013	Issue No.:	4	Status:	Current
Supersedes:	IECQ-C BSI 15.0013 Issue 3	Issue Date:	2021/09/29	Org Issue:	2015/12/09
CB Reference No.:	E1291/F	Expiration:	2024/12/08		

Dongguan Littelfuse Electronics Co Ltd
Nanfang East Road, Beice
Humen Town, Dongguan
Guangdong
China

The organization has developed and implemented procedures and related processes which have been assessed by the IECQ Certification Body issuing this certificate and found to comply with the applicable requirements of the IECQ Approved Component Scheme "Qualification Approval" which is in accordance with the Basic Rules IECQ 01 "Rules of Procedure", IECQ 03-1 "IECQ General Requirements for all Schemes" and IECQ 03-3 Annex C "IECQ Approved Components Scheme" of the IEC Quality Assessment System for Electronic Component (IECQ), and in respect of standard(s) or specification(s):

- For a complete list of standards and specifications see the attached schedule of scope.

Process Manual Reference: DG1-QA75-0008 & DG1-QA75-0055

Details of Components/Assemblies/Materials:

Surge Suppression Varistors
HMOV Series: Temperature Range -55 °C to +125 °C

-- Attached Schedule: E1291_F Scope Issue 4.pdf --

Issued by the Certification Body (CB): BSI

Kitemark Court, Davy Avenue
Knowlhill, Milton Keynes MK5 8PP
United Kingdom

Authorized person:
Paul Turner

PT

bsi.



The validity of this certificate is maintained through on-going surveillance audits by the IECQ CB issuing this certificate.
This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ System and its Schemes.
This certificate and any schedule(s) may only be reproduced in full.
This certificate is not transferable and remains the property of the issuing IECQ CB.
The Status and authenticity of this certificate may be verified by visiting www.iecq.org



Schedule of Scope to Certificate of Conformity

Approved Component – Qualification Approval

IECQ Certificate No.: IECQ-C BSI 15.0013

CB Certificate No.: E1291/F

Schedule Number: IECQ-C BSI 15.0013-S

Rev No.: 4

Revision Date: 2021/09/29

Page 1 of 2

Approved Standard(s)/Specification(s)	Title
BS EN IEC 61051-1 {2018}	Varistors for use in electronic equipment. Generic specification.
BS IEC 61051-2 {1992, +A1:2009}	Harmonized system of quality assessment for electric components. Varistors for use in electronic equipment. Sectional specification for surge suppression varistors
IEC 61051-2-2 {1991-02}	Varistors for use in electronic equipment - Part 2: Blank detail specification for zinc oxide surge suppression varistors. Assessment level E.
BS EN 60950-1 {2006 + A2 2013}	Information technology equipment. Safety. General requirements - Annex Q Components.
IEC 60950-1 {Ed2.2, 2013-05}	Information technology equipment – Safety – Part 1: Annex Q – Voltage Dependent Resistors (VDRs)
EN 62368-1:2014 {2014}	Audio/video, information and communication technology equipment - Part 1: Safety Requirements – Annex G Components
IEC 62368-1 {2018}	Audio/video, information and communication technology equipment - Part 1: Safety Requirements – Annex G Components

Test Report	Dated	Accepted by BSI
TRC028	10 November 2015	19 November 2015
TRC041	9 September 2020	17 November 2020

This schedule is only valid in conjunction with the referenced Certificate of Approval
This approval and any schedule(s) may only be reproduced in full.
This approval is not transferable and remains the property of the issuing body.
The Status and authenticity of this approval and any schedule(s) may be verified by visiting the
Official IECQ Website. www.iecq.org

BSI, Kitemark Court Davy Avenue Knowlhill Milton Keynes MK5 8PP UK

bsi.



Schedule of Scope to Certificate of Conformity

Approved Component – Qualification Approval

IECQ Certificate No.: IECQ-C BSI 15.0013

CB Certificate No.: E1291/F

Schedule Number: IECQ-C BSI 15.0013-S

Rev No.: 4

Revision Date: 2021/09/29

Page 2 of 2

HMOV are high temperature versions of Littelfuse TMOV ZA series and E series. Structurally identical but with a silicone coating instead of epoxy. Pb free versions only produced.

Voltage Identifier	HMOV Series (<i>Littelfuse</i> Part Numbers)		
	10 mm Dia.	14 mm Dia.	20 mm Dia.
11	V10H11P	V14H11P	V20H11P
14	V10H14P	V14H14P	V20H14P
17	V10H17P	V14H17P	V20H17P
20	V10H20P	V14H20P	V20H20P
23	V10H23P	V14H23P	V20H23P
25	V10H25P	V14H25P	V20H25P
30	V10H30P	V14H30P	V20H30P
35	V10H35P	V14H35P	V20H35P
40	V10H40P	V14H40P	V20H40P
50	V10H50P	V14H50P	V20H50P
60	V10H60P	V14H60P	V20H60P
75	V10H75P	V14H75P	V20H75P
95	V10H95P	V14H95P	V20H95P
115	V10H115P	V14H115P	V20H115P
130	V10H130P	V14H130P	V20H130P
140	V10H140P	V14H140P	V20H140P
150	V10H150P	V14H150P	V20H150P
175	V10H175P	V14H175P	V20H175P
230	V10H230P	V14H230P	V20H230P
250	V10H250P	V14H250P	V20H250P
275	V10H275P	V14H275P	V20H275P
300	V10H300P	V14H300P	V20H300P
320	V10H320P	V14H320P	V20H320P
385	V10H385P	V14H385P	V20H385P
420	V10H420P	V14H420P	V20H420P
440	V10H440P	V14H440P	V20H440P
460	V10H460P	V14H460P	V20H460P
510	V10H510P	V14H510P	V20H510P
550	V10H550P	V14H550P	V20H550P
625	V10H625P	V14H625P	V20H625P

This schedule is only valid in conjunction with the referenced Certificate of Approval

This approval and any schedule(s) may only be reproduced in full.

This approval is not transferable and remains the property of the issuing body.

The Status and authenticity of this approval and any schedule(s) may be verified by visiting the
Official IECQ Website. www.iecq.org

BSI, Kitemark Court Davy Avenue Knowlhill Milton Keynes MK5 8PP UK

bsi.