

# Qualification Approval Certificate

**Certificate Number:** E1274/F **Issue Number:** 7 **Date:** 11 January 2010 **Page 1 of 3**

**Approved to:** QC 42201-C001 **Issue:** 1 **Date:** September 2005  
QC 42201-A001 **Issue:** 1 **Date:** September 2005

**Description of the component:**

Thermally Protected Varistors

All of the components listed on page 3 have additionally been tested to and are compliant with IEC 60950-1 (Annex Q).

**Product Code(s):** TMOV and iTMOV series

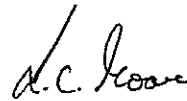
**Manufactured by:** **Dongguan Littelfuse Electronics Co Ltd**  
Nanfeng East Road  
Beice  
Humen Town, Dongguan  
Guangdong  
CHINA

**Manufacturer's Approval Number:** M1069 IECQ **Factory Code:** LIL

**Place(s) of Manufacture:** Dongguan, China

<b>Test Report(s):</b>	<b>Date</b>	<b>Date of acceptance by CB</b>
TR002	June 2005	20 September 2005
TR009 (incl. Revision 1)	April 2007	23 April 2007
TR011	May 2007	22 June 2007
TR012	July 2009	16 October 2009

**For and on behalf of BSI**



**IECQ Certification Body**

## Granting the right to use the Mark or Declaration of Conformity



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NOTE: This certificate is valid only in conjunction with the approval document(s).  
This certificate may be suspended or withdrawn in accordance with the Rules of the International Electrotechnical Commission (IECQ) implemented in BS 9000 Part 3.

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# Qualification Approval Certificate

## APPENDIX

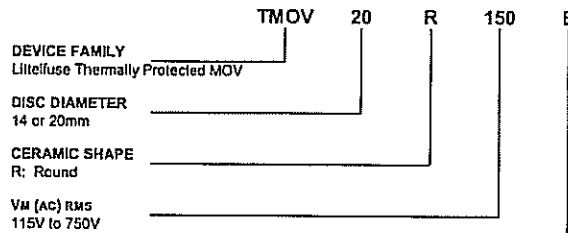
Description of Qualification Approval  
(As recorded on the IECQ on-line database [www.iecq.org](http://www.iecq.org))

**Certificate Number:** E1274/F **Issue Number:** 7 **Date:** 11 January 2010 **Page 2 of 3**

**Manufacturer:** Dongguan Littelfuse Electronics Co Ltd

Non Lead (Pb) Free devices:

**Note:**  
The thermal cut-off has a nominal opening temperature of 182°C.

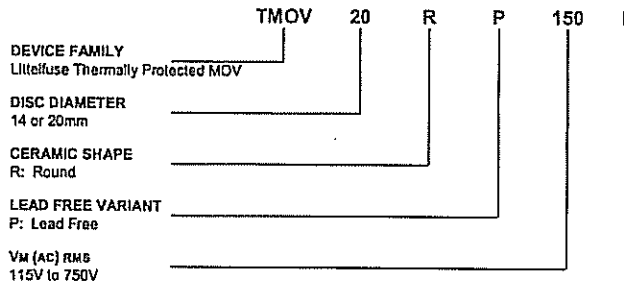


The above Product Key may be followed by additional suffixes to cover available customer options.

**Series Designator**  
E: 2-Leaded TMOV Varistor Series Supplied in Bulk Pack with 7.5mm lead spacing,  
M: 3-Leaded ITMOV Varistor Series Supplied in Bulk Pack with 7.5mm lead spacing (between leads 1 & 2) (Available in 20mm only)

Lead (Pb) Free devices:

**Note:**  
The thermal cut-off has a nominal opening temperature of 215°C.



The above Product Key may be followed by additional suffixes to cover available customer options.

**Series Designator**  
E: 2-Leaded TMOV Varistor Series Supplied in Bulk Pack with 7.5mm lead spacing,  
M: 3-Leaded ITMOV Varistor Series Supplied in Bulk Pack with 7.5mm lead spacing (between leads 1 & 2) (Available in 20mm only)

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## APPENDIX

### Description of Qualification Approval

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**Certificate Number:** E1274/F **Issue Number:** 7 **Date:** 11 January 2010 **Page 3 of 3**

**Manufacturer:** Dongguan Littelfuse Electronics Co Ltd

#### Certified Parts:

Parts as detailed in QC 42201-C001 and as demonstrated by testing in accordance with QC 42201-A001 and therefore limited in the matrix following.

Device Rating (Vac)	Applied Overvoltage (Vac)	Limited Current (A)
115	240	0.125, 0.5, 2.5, 5.0
130	240	0.125, 0.5, 2.5, 5.0
140	240	0.125, 0.5, 2.5, 5.0
150	240	0.125, 0.5, 2.5, 5.0
175	240	0.125, 0.5, 2.5, 5.0
200	415	0.125, 0.5, 2.5, 5.0
230	415	0.125, 0.5, 2.5, 5.0
250	415	0.125, 0.5, 2.5, 5.0
275	415	0.125, 0.5, 2.5, 5.0
300	480	0.125, 0.5, 2.5, 5.0
320	480	0.125, 0.5, 2.5, 5.0
385	600	0.125, 0.5, 2.5, 5.0
420	600	0.125, 0.5, 2.5, 5.0
460	650	0.125, 0.5, 2.5, 5.0
510	725	0.125, 0.5, 2.5, 5.0
550	745	0.125, 0.5, 2.5, 5.0
575	775	0.125, 0.5, 2.5, 5.0
625	857	0.125, 0.5, 2.5, 5.0
750	1020	0.125, 0.5, 2.5, 5.0

For and on behalf of BSI

  
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