

RoHS Lab Analysis Report and Certification



Product Description: MULTI-LAYER VARISTOR SMF FOR AUTOMOTIVE
Product Number: V5.5MLA0603NHAUTO

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

| ICP ID | Raw Material Part Number | Raw Material Description | Applicable RoHS Exemption(s) |
|----------|--------------------------|-------------------------------|------------------------------|
| ICP-1848 | Black Chip (except 2220) | Black Chip (Ceramic) | |
| ICP-1898 | 087310 | Inner Electrode | |
| ICP-0445 | 087319 | End Termination | 7c-I |
| ICP-1849 | 089021 | Black Chip (Glass Insulation) | 7c-I |
| ICP-0457 | 087364 | Epoxy Paste | |
| ICP-0435 | - | Plating Layer (Ni) | |
| ICP-0447 | - | Plating Layer (Sn) | |

Remarks: 7c-I - Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (piezoelectronic devices) or in a glass or ceramic matrix compound

To view the third party RoHS validation report of these materials, see download procedure below.

1. Open the FTP website on your windows explorer: ftp://pubftp.littelfuse.com/ICP_Test_Reports/
2. Retrieve the username and password thru your corresponding Sales / FAE or email envrequests@littelfuse.com
3. Find the corresponding ICP ID and download the corresponding ICP report.

Issued by:



Diana Jane D. Gabinete
Environmental Data Analyst

Noted by:



Arsenio M. Cesista, Jr.
Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: MULTI-LAYER VARISTOR SMF FOR AUTOMOTIVE
Product Number: V5.5MLA0805NHAUTO

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Table 1. Product material composition and applicable RoHS exemption(s)

| ICP ID | Raw Material Part Number | Raw Material Description | Applicable RoHS Exemption(s) |
|----------|--------------------------|--------------------------|------------------------------|
| ICP-1848 | - | Black Chip (Ceramic) | |
| ICP-1757 | 087337 | INNER ELECT PASTE | |
| ICP-0445 | 087319 | END TERMINATION | 7c-I |
| ICP-1849 | 089021 | GLASS FRITT | 7c-I |
| ICP-0457 | 087364 | SILVER EPOXY PASTE | |
| ICP-0435 | - | Nickel R rounds | |
| ICP-0447 | - | Solder (Tin Plating) | |

Remarks: 7c-I - Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (piezoelectronic devices) or in a glass or ceramic matrix compound

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Issued by:



Diana Jane D. Gabinete
Environmental Data Analyst

Noted by:



Arsenio M. Cesista, Jr.
Global EHS Manager



Expertise Applied | Answers Delivered
 8755 W. Higgins Road
 Suite 500
 Chicago, IL 60631
 www.littelfuse.com

RoHS Lab Analysis Report and Certification



Product Description: MULTI-LAYER VARISTOR SMF FOR AUTOMOTIVE
Product Number: V33MLA1206NHAUTO

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

| ICP ID | Raw Material Part Number | Raw Material Description | Applicable RoHS Exemption(s) |
|----------|--------------------------|--------------------------|------------------------------|
| ICP-1848 | Black Chip (except 2220) | Black Chip (Ceramic) | |
| ICP-1757 | 087368 | INNER ELECT PASTE | |
| ICP-0445 | 087319 | END TERMINATION | 7c-l |
| ICP-1849 | 089021 | GLASS FRITT | 7c-l |
| ICP-0457 | 087364 | SILVER EPOXY PASTE | |
| ICP-0435 | - | Nickel R rounds | |
| ICP-0447 | - | Solder (Tin Plating) | |

Remarks: 7c-l - Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (piezoelectronic devices) or in a glass or ceramic matrix compound


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3. Find the corresponding ICP ID and download the corresponding ICP report.

Issued by:


 Sharie Lyn S. Mantilla
 Global EHS Engineer

Noted by:


 Arsenio M. Cesista, Jr.
 Global EHS Manager