
RoHS Lab Analysis Report and Certification



Product Description: THERMALLY PROTECTED VARISTOR 20MM ROHS
Product Number: TMOV20RP460E

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-1512	-	BLACK DISC	
ICP-1368	087376	Silver Paste	
ICP-0441	087328	HOTMELT (MS267)	
ICP-0442	895-210	ALUMINA INSULATOR (MS268)	
ICP-1771	063019	Copper clad steel wire	
ICP-1819	692151	SOLDER WIRE (MS305)	
ICP-0438	195189	SOLDER PASTE (MS306)	
ICP-2075	087325	COSMIC EPOXY (MS044)	

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:



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Noted by:



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RoHS Lab Analysis Report and Certification

Product Description: THERMALLY PROTECTED VARISTOR 20MM ROHS
Product Number: TMOV20RP420E

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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-1512	-	BLACK DISC	
ICP-1368	087376	Silver Paste	
ICP-0441	087328	HOTMELT (MS267)	
ICP-0442	895-210	ALUMINA INSULATOR (MS268)	
ICP-1771	063018	Copper clad steel wire	
ICP-1819	692151	SOLDER WIRE (MS305)	
ICP-0438	195189	SOLDER PASTE (MS306)	
ICP-2075	087325	COSMIC EPOXY (MS044)	

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RoHS Lab Analysis Report and Certification

Product Description: TMOV VARISTOR PB FREE 25S
Product Number: TMOV25SP275E

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-1512	-	BLACK SQUARE DISC	
ICP-1368	087358	SILVER PASTE	
ICP-2078	082751-001	ROHS HOT TIN DIPPED CU WIRE	
ICP-0438	195183	HALOGEN-FREE AND PB FREE SOLDER PASTE	
ICP-0441	087328	HOTMELT	
ICP-0442	882-830	ALUMINA INSULATOR	
ICP-0438	195189	PB FREE SOLDER PASTE	
ICP-1819	882-829	PB FREE SOLDER WIRE	
ICP-2075	087325	COSMIC EPOXY	


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RoHS Lab Analysis Report and Certification

Product Description: TMOV VARISTOR PB FREE 25S
Product Number: TMOV25SP140E

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-1512	-	BLACK DISC	
ICP-1368	087358	SILVER PASTE	
ICP-2078	082751-001	HOT TIN DIPPED CU WIRE	
ICP-0438	195183	HALOGEN-FREE AND PB FREE SOLDER PASTE	
ICP-0441	087328	HOTMELT	
ICP-0442	882-830	ALUMINA INSULATOR	
ICP-0438	195189	PB FREE SOLDER PASTE FOR TMOV	
ICP-1819	882-829	PB FREE SOLDER WIRE	
ICP-2075	087325	COSMIC EPOXY	


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RoHS Lab Analysis Report and Certification

Product Description: TMOV VARISTOR PB FREE 25S
Product Number: TMOV25SP385E

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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-1512	-	BLACK SQUARE DISC	
ICP-1368	087358	SILVER PASTE	
ICP-2078	082751-001	HOT TIN DIPPED CU WIRE	
ICP-0438	195183	HALOGEN-FREE AND PB FREE SOLDER PASTE	
ICP-0441	087328	HOTMELT	
ICP-0442	882-830	ALUMINA INSULATOR	
ICP-0438	195189	PB FREE SOLDER PASTE	
ICP-1819	882-829	PB FREE SOLDER WIRE	
ICP-2075	087325	COSMIC EPOXY	


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RoHS Lab Analysis Report and Certification

Product Description: THERMALLY PROTECTED VARISTOR 20MM ROHS
Product Number: TMOV20RP115E

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-1512	-	BLACK DISC	
ICP-1368	087376	Silver paste(DT1727A, 75%)	
ICP-0441	087328	HOTMELT	
ICP-0442	895-210	ALUMINA INSULATOR	
ICP-1771	063018	RoHS Copper clad steel wire	
ICP-1819	692151	PB FREE SOLDER WIRE	
ICP-0438	195189	PB FREE LT SOLDER PASTE FOR TMOV	
ICP-2075	087325	COSMIC EPOXY	


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RoHS Lab Analysis Report and Certification

Product Description: THERMALLY PROTECTED VARISTOR 20MM ROHS
Product Number: TMOV20RP320E

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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-1512	-	BLACK DISC	
ICP-1368	087376	Silver paste(DT1727A, 75%)	
ICP-0441	087328	HOTMELT	
ICP-0442	895-210	ALUMINA INSULATOR	
ICP-1771	063018	RoHS Copper clad steel wire	
ICP-1819	692151	PB FREE SOLDER WIRE	
ICP-0438	195189	PB FREE LT SOLDER PASTE FOR TMOV	
ICP-2075	087325	COSMIC EPOXY	


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RoHS Lab Analysis Report and Certification

Product Description: THERMALLY PROTECTED VARISTOR 14MM ROHS
Product Number: TMOV14RP300E

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ICP-0441	087328	HOTMELT	
ICP-0442	895-211	ALUMINA INSULATOR	
ICP-1771	063018	RoHS Copper clad steel wire	
ICP-1819	692151	PB FREE SOLDER WIRE	
ICP-0438	195189	PB FREE LT SOLDER PASTE FOR TMOV	
ICP-2075	087325	COSMIC EPOXY	


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RoHS Lab Analysis Report and Certification

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ICP-0442	895-211	ALUMINA INSULATOR	
ICP-1771	063018	RoHS Copper clad steel wire	
ICP-1819	692151	PB FREE SOLDER WIRE	
ICP-0438	195189	PB FREE LT SOLDER PASTE FOR TMOV	
ICP-2075	087325	COSMIC EPOXY	


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ICP-1771	063018	RoHS Copper clad steel wire	
ICP-1819	692151	PB FREE SOLDER WIRE	
ICP-0438	195189	PB FREE LT SOLDER PASTE FOR TMOV	
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