

RoHS Lab Analysis Report and Certification



Product Description: TVS AXIAL HI-POWER
Product Number: 15KPA70CA

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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-I
ICP-1785	Non Oxygen Copper	Lead Wire (Copper Metal)	
ICP-0033	Copper With Ag Plating	Copper Spacer	
ICP-0031	Pb:Sn:Ag=92.5:5:2.5	Solder Wafer (Silvery Solder Wafer)	7a
ICP-0028	EME-E110G	Epoxy Molding Compound	
ICP-0034	Pure Matte Tin	Tin Plating - Axial	
ICP-0035	-	UV Ink (Silver Gray Ink)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
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:


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RoHS Lab Analysis Report and Certification



Product Description: TVS AXIAL HI-POWER
Product Number: 15KPA60A

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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-I
ICP-1785	Non Oxygen Copper	Lead Wire (Copper Metal)	
ICP-0033	Copper With Ag Plating	Copper Spacer	
ICP-0031	Pb:Sn:Ag=92.5:5:2.5	Solder Wafer (Silvery Solder Wafer)	7a
ICP-0028	EME-E110G	Epoxy Molding Compound	
ICP-0034	Pure Matte Tin	Tin Plating - Axial	
ICP-0035	-	UV Ink (Silver Gray Ink)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
 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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RoHS Lab Analysis Report and Certification

Product Description: TVS AXIAL HI-POWER
Product Number: 15KPA33CA



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-0027	Silicon+Nickel	Silicon Wafer with Nickel Plating	
ICP-0029	Propriety	Wafer Passivation (glass)	7c-l
ICP-0030	Non Oxygen Copper	Lead Wire	
ICP-0031	Pb:Sn:Ag=92.5:5:2.5	Solder Wafers	7a
ICP-0036	-	Copper Spacer	
ICP-0041	4195L	Silicon Rubber	
ICP-0028	EME-E110G	Epoxy Molding Compound	
ICP-0034	Pure Matte Tin	Tin Plating	
ICP-0035	-	UV Ink	


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

7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)

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RoHS Lab Analysis Report and Certification



Product Description: TVS AXIAL HI-POWER
Product Number: 15KPA75CA

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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-I
ICP-1785	Non Oxygen Copper	Lead Wire (Copper Metal)	
ICP-0033	Copper With Ag Plating	Copper Spacer	
ICP-0031	Pb:Sn:Ag=92.5:5:2.5	Solder Wafer (Silvery Solder Wafer)	7a
ICP-0028	EME-E110G	Epoxy Molding Compound	
ICP-0034	Pure Matte Tin	Tin Plating - Axial	
ICP-0035	-	UV Ink (Silver Gray Ink)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
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.

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Noted by:



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Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS AXIAL HI-POWER
Product Number: 15KPA150A

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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-I
ICP-1785	Non Oxygen Copper	Lead Wire (Copper Metal)	
ICP-0033	Copper With Ag Plating	Copper Spacer	
ICP-0031	Pb:Sn:Ag=92.5:5:2.5	Solder Wafer (Silvery Solder Wafer)	7a
ICP-0028	EME-E110G	Epoxy Molding Compound	
ICP-0034	Pure Matte Tin	Tin Plating - Axial	
ICP-0035	-	UV Ink (Silver Gray Ink)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
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.

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

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Sharie Lyn S. Mantilla
Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS 5KW 70V 5%BI P600 BENDLEAD BULK RoHS
Product Number: 15KPA70CA-SS

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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0028	EME-E110G	Epoxy Molding Compound	
ICP-1785	Non Oxygen Copper	Lead Wire	
ICP-0033	Copper With Ag Plating	Copper Spacer	
ICP-0031	Pb:Sn:Ag=92.5:5:2.5	Solder Wafer	7a
ICP-0034	Pure Matte Tin	Tin Plating (Axial)	
ICP-0035	-	UV Silver Ink	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
 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.

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

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