

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB540A

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-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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
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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: TVS SURF MT DO214AA T&R
Product Number: P6SMB24CA

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-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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Issued by:



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Environmental Data Analyst

Noted by:



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Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB18CA

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-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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Noted by:



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Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB300A

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-l
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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

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

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Issued by:



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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB530A

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-l
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB22A

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-l
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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

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

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Issued by:



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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB130CA

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	-	Wafer Passivation	7c-I
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating	

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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Issued by:



Jennilyn R. Dinglasan
 Global EHS Supervisor

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB400CA

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	-	Wafer Passivation	7c-I
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating	

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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Global EHS Supervisor

Noted by:



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Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB200A

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-1
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
 7c-1 - 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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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB20A

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.

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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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-1
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
 7c-1 - 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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Noted by: 
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 Global EHS Manager



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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB550CA

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-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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 Diana Jane De Guzman - Gabinete
 Global EHS Analyst

Noted by: 
 Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB150A

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-1
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

Remarks: 7a - Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
 7c-1 - 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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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB39A

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-0377	Copper	Clip	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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DIANA JANE DE GUZMAN
Global EHS Analyst

Noted by: 
Arsenio M. Cesista, Jr.
Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB27A

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-0377	Copper	Clip	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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Issued by:



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Global EHS Manager



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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB250A

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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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-I
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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.

Issued by:

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 SURF MT DO214AA T&R
Product Number: P6SMB30A

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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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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Issued by: 
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 Global EHS Engineer

Noted by: 
 Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB440CA

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-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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/
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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

RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB100A

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-0377	Copper	Clip	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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 SURF MT DO214AA T&R
Product Number: P6SMB440A

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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-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0038	Copper	Lead Frame	
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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 SURF MT DO214AA T&R
Product Number: P6SMB480CA

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 (White Powder)	7c-I
ICP-0038	Copper	Lead Frame	
ICP-0377	Copper	Clip	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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 SURF MT DO214AA T&R
Product Number: P6SMB33CA

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	Proprietary	Wafer Passivation	7c-I
ICP-0377	Copper	Clip	
ICP-0038	Copper	Lead Frame	
ICP-0050	F367SN10-86D4	Solder Paste	7a
ICP-0046	CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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Noted by: 
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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB510CA-HE

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 (Silvery Grey Metal)	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	
ICP-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0051	EME-G630AY	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB6.8CA

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.

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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-0027	Silicon+Nickel	Silicon Wafer With Nickel Plating (Silvery Grey Metal)	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	
ICP-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0046	CK-2000A, CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB68CA

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 (Silvery Grey Metal)	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	
ICP-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0046	CK-2000A, CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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Noted by: Arsenio M. Cesista, Jr.
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RoHS Lab Analysis Report and Certification



Product Description: TVS SURF MT DO214AA T&R
Product Number: P6SMB300CA

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.

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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-0027	Silicon+Nickel	Silicon Wafer With Nickel Plating (Silvery Grey Metal)	
ICP-0029	Propriety	Wafer Passivation - Glass (White Powder)	7c-I
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	
ICP-0377	Copper	Clip (Copper Metal)	
ICP-0050	F367SN10-90P4	Solder Paste	7a
ICP-0046	CK-2000A, CK-2000C	Epoxy Molding Compound	
ICP-0040	Pure Matte Tin	Tin Plating (SMD)	

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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