

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S24A

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-1779	Copper	Copper Spacer	
ICP-1776	-	Solder Paste	7a
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Heatsink (Copper Metal)	

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.

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: 
 Jennilyn R. Dinglasan
 Global EHS Supervisor

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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S57A

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)

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ICP-0029	Propriety	Wafer Passivation	7c-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	7a
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S51A

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

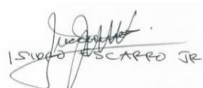
ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S48A

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

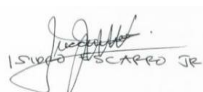
ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S45A

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-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S45A

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

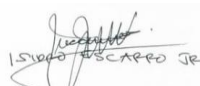
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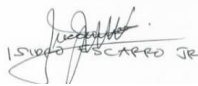
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Isidro Escarro Jr
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Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

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Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S36A

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

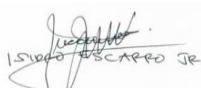
ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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Issued by:



Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S33A

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

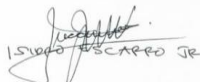
ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-l
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ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
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Issued by:



Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S30A

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ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
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ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
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Issued by:



Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S28A

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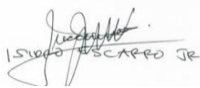
Table 1. Product material composition and applicable RoHS exemption(s)

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ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S27A

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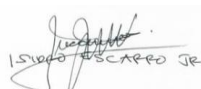
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Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S26A

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

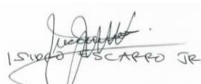
ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
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Isidro Escarro Jr
 Global EHS Engineer

Noted by:



Arsenio M. Cesista, Jr.
 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S22A

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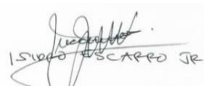
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RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S20A

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-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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.

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: Isidro Escarro Jr
 Global EHS Engineer



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S18A

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-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	


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

Isidro Escarro Jr
 Global EHS Engineer

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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S17A

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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-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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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Issued by: Isidro Escarro Jr
 Global EHS Engineer



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S16A

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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)

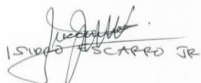
ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-0027	IC Wafer	Silicon Chip	
ICP-0029	Propriety	Wafer Passivation	7c-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



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Noted by:



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 Global EHS Manager

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S15A

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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	
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ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S14A

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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-l
ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMTO HI-POWER
Product Number: SLD8S13A

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ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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



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

RoHS Lab Analysis Report and Certification



Product Description: AUTO TVS SMT0 HI-POWER
Product Number: SLD8S12A

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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	
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ICP-1779	Copper	Copper Spacer	
ICP-1776		Solder Paste	
ICP-0342	ELER-8-SERIES	Epoxy Molding Compound	7a
ICP-0408	Tin Plating(TO220)	Tin Plating	
ICP-0038	Copper	Lead Frame/Lead Frame Matrix/TO-220 Lead Frame/Heatsink (Copper Metal)	

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