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Product Change Notification



Product Group: DD/Wed Jan 31, 2024/PCN-DD-001-2024-REV-0

Manufacturing Location Change for PAR® TVS Products in DO-218AC Package

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Semiconductors
One Greenwich Place
-
Shelton CT United States 06484
Phone: +1-402-563-6866
Fax: +1-402-563-6296
Diodes-Americas@vishay.com

Europe

Vishay Semiconductors
Theresienstrasse 2
-
Heilbronn Germany D-74072
Phone: +49 7131 7498 656 (715)
Fax: +49 7131 67 2938
Diodes-Europe@vishay.com

Asia

Vishay Semiconductors
37A Tampines Street 92 #07-01
-
Singapore 528886
Phone: +65 6788 6668
Fax: +65 6788 988
Diodes-Asia@vishay.com

Description of Change: Vishay Diodes Division is transferring the assembly & final test location of PAR® TVS products in DO-218AC package from Vishay Tianjin, China to Vishay Xi'an, China. In addition to the location change, the existing regular mold compound will be converted to halogen free mold compound due to End-of-Life notification of molding compound supplier. All other materials, process and controls are kept the same as the current production line in Vishay Tianjin. There is no change in form, fit and functions of the devices in customer applications, except label layout and packaging method is different from the products manufactured in Vishay Tianjin. Please refer to annex 1 for change view and LTB/LTS information.

Upon the approval of this PCN, all future and customized part number for related product in the same package will adopt the same change.

Reason for Change: Production line consolidation and Discontinued supply of existing molding compound

Expected Influence on Quality/Reliability/Performance: No change in quality and reliability performance.

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay General Semiconductor

Time Schedule:

Start Shipment Date: Mon Apr 1, 2024

Sample Availability: Available upon request

Product Identification: Please refer to annex 1

Qualification Data: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sun Mar 31, 2024 or as specified by contract.

Issued By: Ivan Chen, Ivan.Chen8@vishay.com



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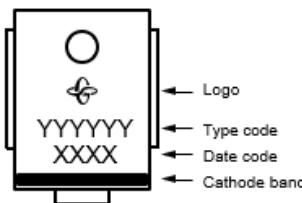
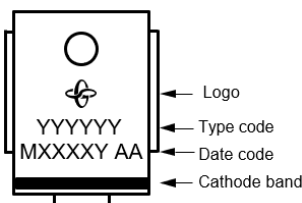
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SM5A27THE3/I	SM5S10ATHE3/I	SM5S11ATHE3/I	SM5S12ATHE3/I	SM5S13ATHE3/I
SM5S14ATHE3/I	SM5S15ATHE3/I	SM5S16ATHE3/I	SM5S17ATHE3/I	SM5S18ATHE3/I
SM5S20ATHE3/I	SM5S22ATHE3/I	SM5S24ATHE3/I	SM5S26ATHE3/I	SM5S28ATHE3/I
SM5S30ATHE3/I	SM5S33ATHE3/I	SM5S36ATHE3/I	SM5S40ATHE3/I	SM5S43ATHE3/I
SM6A27THE3/I	SM6A27THE3J/I	SM6S10ATHE3/I	SM6S11ATHE3/I	SM6S12ATHE3/I
SM6S13ATHE3/I	SM6S14ATHE3/I	SM6S15ATHE3/I	SM6S16ATHE3/I	SM6S17ATHE3/I
SM6S18ATHE3/I	SM6S20ATHE3/I	SM6S22ATHE3/I	SM6S24ATHE3/I	SM6S26ATHE3/I
SM6S28ATHE3/I	SM6S30ATHE3/I	SM6S33ATHE3/I	SM6S36ATHE3/I	SM6S40ATHE3/I
SM6S43ATHE3/I	SM8A27THE3/I	SM8S10ATHE3/I	SM8S11ATHE3/I	SM8S12ATHE3/I
SM8S13ATHE3/I	SM8S14ATHE3/I	SM8S15ATHE3/I	SM8S16ATHE3/I	SM8S17ATHE3/I
SM8S18ATHE3/I	SM8S20ATHE3/I	SM8S22ATHE3/I	SM8S24ATHE3/I	SM8S26ATHE3/I
SM8S28ATHE3/I	SM8S30ATHE3/I	SM8S33ATHE3/I	SM8S36ATHE3/I	SM8S40ATHE3/I
SM8S43ATHE3/I	SM5S24AT61HE3J/I			

Annex 1

Item	Before	After
Assembly Site	Vishay Tianjin	Vishay Xi'an
Part Number	SMxA27THE3 SMxSxxATHE3	SMxA27HM3 SMxSxxAHM3
Mold Compound	Non-Halogen Free Epoxy Compound	Halogen Free Epoxy Compound
Label	 <p>Two seperated labels</p>	 <p>Combined in one label. No change on label information</p>
Packing Method	 <p>No pizza box for each reel</p>	 <p>Each reel put into individual pizza box</p>
Marking	 <p>DATE CODE XX XX Week by calendar year Last two digits of year</p>	 <p>DATE CODE M XX XX Y AA Lot code Factory designator (Y : Vishay Xi'an) Week by calendar year Last two digits of year "M" prefix denotes halogen-free compound</p>

Time Schedule:

Last Time Buy Date of Existing Part Number: July 31, 2024 (Vishay Tianjin factory)
Last Time Ship Date of Existing Part Number: January 31, 2025 (Vishay Tianjin factory)

Product Identification:

Using the corresponding new Halogen Free part numbers (suffix HM3) as the substitution of original Pb-free part numbers (suffix HE3). For device marking, the halogen free code “M” and manufacturing code “Y” will be added in front of and in the last digit of date code respectively, additional lot code will be added next to date code for identification of the new manufacturing site in Vishay Xi’an. For example, “M2401Y AA” (M - halogen free, 2401 - date code, Y – Vishay Xi’an, AA – lot code)

Part Numbers affected listed below:

Existing Part Number	New Part Number	Existing Part Number	New Part Number
SM5A27THE3/I	SM5A27HM3/I	SM6S20ATHE3/I	SM6S20AHM3/I
SM5S10ATHE3/I	SM5S10AHM3/I	SM6S22ATHE3/I	SM6S22AHM3/I
SM5S11ATHE3/I	SM5S11AHM3/I	SM6S24ATHE3/I	SM6S24AHM3/I
SM5S12ATHE3/I	SM5S12AHM3/I	SM6S26ATHE3/I	SM6S26AHM3/I
SM5S13ATHE3/I	SM5S13AHM3/I	SM6S28ATHE3/I	SM6S28AHM3/I
SM5S14ATHE3/I	SM5S14AHM3/I	SM6S30ATHE3/I	SM6S30AHM3/I
SM5S15ATHE3/I	SM5S15AHM3/I	SM6S33ATHE3/I	SM6S33AHM3/I
SM5S16ATHE3/I	SM5S16AHM3/I	SM6S36ATHE3/I	SM6S36AHM3/I
SM5S17ATHE3/I	SM5S17AHM3/I	SM6S40ATHE3/I	SM6S40AHM3/I
SM5S18ATHE3/I	SM5S18AHM3/I	SM6S43ATHE3/I	SM6S43AHM3/I
SM5S20ATHE3/I	SM5S20AHM3/I	SM8A27THE3/I	SM8A27HM3/I
SM5S22ATHE3/I	SM5S22AHM3/I	SM8S10ATHE3/I	SM8S10AHM3/I
SM5S24ATHE3/I	SM5S24AHM3/I	SM8S11ATHE3/I	SM8S11AHM3/I
SM5S26ATHE3/I	SM5S26AHM3/I	SM8S12ATHE3/I	SM8S12AHM3/I
SM5S28ATHE3/I	SM5S28AHM3/I	SM8S13ATHE3/I	SM8S13AHM3/I
SM5S30ATHE3/I	SM5S30AHM3/I	SM8S14ATHE3/I	SM8S14AHM3/I
SM5S33ATHE3/I	SM5S33AHM3/I	SM8S15ATHE3/I	SM8S15AHM3/I
SM5S36ATHE3/I	SM5S36AHM3/I	SM8S16ATHE3/I	SM8S16AHM3/I
SM5S40ATHE3/I	SM5S40AHM3/I	SM8S17ATHE3/I	SM8S17AHM3/I
SM5S43ATHE3/I	SM5S43AHM3/I	SM8S18ATHE3/I	SM8S18AHM3/I
SM6A27THE3/I	SM6A27HM3/I	SM8S20ATHE3/I	SM8S20AHM3/I
SM6A27THE3/J	SM6A27HM3/J	SM8S22ATHE3/I	SM8S22AHM3/I
SM6S10ATHE3/I	SM6S10AHM3/I	SM8S24ATHE3/I	SM8S24AHM3/I
SM6S11ATHE3/I	SM6S11AHM3/I	SM8S26ATHE3/I	SM8S26AHM3/I
SM6S12ATHE3/I	SM6S12AHM3/I	SM8S28ATHE3/I	SM8S28AHM3/I
SM6S13ATHE3/I	SM6S13AHM3/I	SM8S30ATHE3/I	SM8S30AHM3/I
SM6S14ATHE3/I	SM6S14AHM3/I	SM8S33ATHE3/I	SM8S33AHM3/I
SM6S15ATHE3/I	SM6S15AHM3/I	SM8S36ATHE3/I	SM8S36AHM3/I
SM6S16ATHE3/I	SM6S16AHM3/I	SM8S40ATHE3/I	SM8S40AHM3/I
SM6S17ATHE3/I	SM6S17AHM3/I	SM8S43ATHE3/I	SM8S43AHM3/I
SM6S18ATHE3/I	SM6S18AHM3/I	SM5S24AT61HE3/J	SM5S24A-61HM3/J