

Microsemi Corporation, a Microchip company

November 20, 2019

Product/Process Change Notification No: 19-054

Change Classification: Minor

Subject: MSC2X / APT2X Standard Part Number Changes

Dear Valuable Customer,

Your company has Critical Process Change Notification requirements on products that you buy from MICROSEMI/MICROCHIP. This letter is to notify you that part numbers are changing for our SiC Diode devices in Dual-Diode configuration and SOT-227 packages. All new part numbers are pin compatible replacements.

The old part numbers will no longer be available from MICROSEMI/MICROCHIP, and the new part numbers will replace the old part numbers in the next price book edition and our upcoming catalog. Some of the older part numbers (APT2X) were previously discontinued with PDN#19-021. Associated data sheets shall be replaced on the website in a very short time as well.

Description of Change:

SiC Diode devices in Dual-Diode configuration and SOT-227 package part numbers are changing as shown in the table below.

Old part number	New part number
MSC2X21DC120J APT2X21DC120J	MSC2X31SDA120J
MSC2X20DC120J APT2X20DC120J	MSC2X30SDA120J
MSC2X41DC120J	MSC2X51SDA120J or MSC2X31SDA120J
MSC2X40DC120J	MSC2X50SDA120J or MSC2X30SDA120J
MSC2X51DC120J	MSC2X51SDA120J
MSC2X50DC120J	MSC2X50SDA120J
MSC2X61DC120J	MSC2X51SDA120J or MSC2X101SDA120J
MSC2X60DC120J	MSC2X50SDA120J or MSC2X100SDA120J
MSC2X101DC120J	MSC2X101SDA120J
MSC2X100DC120J	MSC2X100SDA120J
MSC2X51DC70J	MSC2X51SDA70J
MSC2X50DC70J	MSC2X50SDA70J
MSC2X101DC70J	MSC2X101SDA70J
MSC2X100DC70J	MSC2X100SDA70J

Reason for Change:

Standardized SiC part numbering MSC2X*SDA*J will replace MSC2X*DC*J.
APT2X*SDA*J parts are being replaced by the next generation of SiC devices.

Application Impact:

All new part numbers are pin compatible replacements. No changes to the datasheets of the MSC2X*DC*J products are expected other than revising the part numbers.

Method of Identifying Changed Product:

Part numbers are marked on the products.

Products Affected by this Change:

See list above in Description of Change.

Production Shipment Schedule:

Samples will be available starting December 2019.
Production shipments will begin in calendar Q1 2020.

Qualification Data:

Qualification data reports can be provided upon request.

Contact Information:

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Regards,

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Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microsemi Sales Office, the factory contact shown above, or your local distributor.

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