



Product Change Notification

CN-202204015F

Issue date: 26 Apr 2022

Effective date: 04 Apr 2023

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.
For more details please contact your respective Nexperia CSR/AM.



Release of Business Group Bipolar Discretes QPortfolio Wave 4

Change Category

- | | | | | |
|--|---|---|---|---|
| ☐ Wafer Fab Process | ☐ Assembly Process | ☐ Product Marking | ☐ Test Location | ☐ Design |
| ☐ Wafer Fab Materials | ☐ Assembly Materials | ☐ Mechanical Specification | ☐ Test Process | ☐ Errata |
| ☐ Wafer Fab Location | ☐ Assembly Location | ☒ Packing/Shipping/Labeling | ☐ Test Equipment | ☐ Electrical spec./Test coverage |

Details of this change

Nexperia’s Business Group Bipolar Discretes will remove the “Automotive qualification status” for selected parts of its standard portfolio. At the same time, a new portfolio with Automotive qualified products “Q-Portfolio” will be released. Types of the new Q-Portfolio will be named with "-Q" at the end of the type-number. This PCN contains a cross list for the product types which will be introduced at present.

- 202204015F_Automotive_Plus_Wave4-Delta-Qualification-Matrix-ZVEI-4_1.pdf: https://qcm.nexperia.com/Document/DOC-538162/202204015F_Automotive_Plus_Wave4-Delta-Qualification-Matrix-ZVEI-4_1.pdf
- 202204015F_Automotive_Plus_Wave4_Self_Qualification.pdf: https://qcm.nexperia.com/Document/DOC-538161/202204015F_Automotive_Plus_Wave4_Self_Qualification.pdf
- 202204015F_Automotive_Plus_Wave4_crossList.xlsx: https://qcm.nexperia.com/Document/DOC-538165/202204015F_Automotive_Plus_Wave4_crossList.xlsx
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- 202204015F_Automotive_Plus_Wave4-FORM.pdf: https://qcm.nexperia.com/Document/DOC-538163/202204015F_Automotive_Plus_Wave4-FORM.pdf

Why do we implement this change?

To inform customers of standard products that the automotive qualification status will be removed as of 1st April 2023. To inform customers who need automotive qualified products about the change of the type-number and the 12NC (ordering code). If required, customers must change their orderbook to the related Q-parts. In rare cases not all package variants are available as Q-part. Then the default packing variant needs to be used (e.g., order code ending -115).

Identification of affected products

Products of the new Q-Portfolio can be identified by new type number and new 12NC order code. The marking on the product is unchanged.

Management summary

New type number and ordering code (12NC) for Automotive qualified products. Removal of "Automotive qualification status" of current (standard) products.

Product availability

Production

Planned first shipment: 01 Apr 2022

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

For all parts which are affected by this PCN the AEC-Q101 qualification status will be removed, and the legal disclaimer of the related data sheets will change to "not usable for Automotive applications". PPAP support will not be granted for these standard products anymore. The new Q-portfolio products will be identical to the current products as on implementation day. There will be no impact on fit, form, function or reliability. Specifications as stated in the data sheets are guaranteed. No technical qualification is needed at customer side.

Data sheet revision

A new datasheet will be issued

Disposition of old products

The changes on standard portfolio will apply from 1st of April 2023 onwards (products with production date-code before 1st of April 2023 are guaranteed AEC Q-101 compliant)

Timing and logistics

Planned 1st shipment for the different portfolios: The Q-Portfolio is available for shipment from 1st April 2022 onwards. The changes on standard portfolio will apply from 1st of April 2023 onwards.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 26 May 2022. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Remarks

New datasheets for Q-portfolio products are available on Nexperia.com. Updated datasheets of standard products will be available on Nexperia.com with PCN implementation (1st of April 2023). An example of both data sheet versions is attached to this PCN to highlight the differences.

Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.
For specific questions on this notice or the products affected please contact our specialist directly: pcn@nexperia.com
In case of distribution, please contact you distribution partner.

About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	SalesItem_discontinuationType	SalesItem_availability	SalesItem_source	SalesItem_lastTimeBuyDate	SalesItem_lastTimeShipDate	SalesItem_customerSpecificIndicator	Replacement_SalesItem_orderablePartNumber	Replacement_SalesItem_name	Replacement_ProductType_name	Replacement_BasicType_description	BusinessLine_description
934063269115	BAS21AW,115	BAS21AW,115	BAS21AW	High-voltage switching diodes	SOT323	SC-70	RFS						No	BAS21AW-QX	934664822115	BAS21AW-Q	High-voltage switching diodes	Bipolar Discretes

9340288 90115	BAT54AW,115	BAT54AW,115	BAT54AW	Schottky barrier diode	SOT323	SC-70	RFS						No	BAT54AW-QX	934664512115	BAT54AW-Q	Schottky barrier diode	Bipolar Discretes
9340288 90135	BAT54AWF		BAT54AW	Schottky barrier diode	SOT323	SC-70	RFS						No					Bipolar Discretes
9340289 00115	BAT54CW,115	BAT54CW,115	BAT54CW	Schottky barrier diode	SOT323	SC-70	RFS						No	BAT54CW-QX	934664474115	BAT54CW-Q	Schottky barrier diode	Bipolar Discretes
9340289 00135	BAT54CWF		BAT54CW	Schottky barrier diode	SOT323	SC-70	RFS						No					Bipolar Discretes
9340289 10115	BAT54SW,115	BAT54SW,115	BAT54SW	Schottky barrier diode	SOT323	SC-70	RFS						No	BAT54SW-QX	934664478115	BAT54SW-Q	Schottky barrier diode	Bipolar Discretes
9340289 10135	BAT54SWF		BAT54SW	Schottky barrier diode	SOT323	SC-70	RFS						No					Bipolar Discretes
9340321 60215	BAV170,215	BAV170,215	BAV170	Low- leakage double diode	SOT23	TO-236AB	RFS						No	BAV170-QR	934663773215	BAV170-Q	Low-leakage double diode	Bipolar Discretes
9340321 60235	BAV170VL		BAV170	Low- leakage double diode	SOT23	TO-236AB	RFS						No	BAV170-QVL	934663773235	BAV170-Q	Low-leakage double diode	Bipolar Discretes
9340326 40215	BAV199,215	BAV199,215	BAV199	Low- leakage double diode	SOT23	TO-236AB	RFS						No	BAV199-QR	934663887215	BAV199-Q	Low-leakage double diode	Bipolar Discretes
9340326 40235	BAV199,235		BAV199	Low- leakage double diode	SOT23	TO-236AB	RFS						No	BAV199-QVL	934663887235	BAV199-Q	Low-leakage double diode	Bipolar Discretes
9337207 70215	BAV23,215	BAV23,215	BAV23	Dual high- voltage switching diodes	SOT143B	SOT4	RFS						No	BAV23-QR	934664555215	BAV23-Q	Dual high-voltage switching diodes	Bipolar Discretes
9337207 70235	BAV23,235		BAV23	Dual high- voltage switching diodes	SOT143B	SOT4	RFS						No	BAV23-QVL	934664555235	BAV23-Q	Dual high-voltage switching diodes	Bipolar Discretes
9340617 66215	BAV23A,215	BAV23A,215	BAV23A	Dual high- voltage switching diodes	SOT23	TO-236AB	RFS						No	BAV23A-QR	934664488215	BAV23A-Q	Dual high-voltage switching diodes	Bipolar Discretes
9340617 67215	BAV23C,215	BAV23C,215	BAV23C	Dual high- voltage switching diodes	SOT23	TO-236AB	RFS						No	BAV23C-QR	934664457215	BAV23C-Q	Dual high-voltage switching diodes	Bipolar Discretes
9340617 67235	BAV23CVL		BAV23C	Dual high- voltage switching diodes	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9339477 70215	BAV23S,215	BAV23S,215	BAV23S	Dual high- voltage switching diodes	SOT23	TO-236AB	RFS						No	BAV23S-QR	934664495215	BAV23S-Q	Dual high-voltage switching diodes	Bipolar Discretes
9339477 70235	BAV23S,235		BAV23S	Dual high- voltage switching diodes	SOT23	TO-236AB	RFS						No	BAV23S-QVL	934664495235	BAV23S-Q	Dual high-voltage switching diodes	Bipolar Discretes
9340566 10115	BAV99S,115	BAV99S,115	BAV99S	QUADRUPL E SWITCHING DIODE (SERIES)	SOT363	SC-88	RFS						No	BAV99S-QX	934664574115	BAV99S-Q	High-speed switching diodes	Bipolar Discretes
9340566 10135	BAV99S,135		BAV99S	QUADRUPL E SWITCHING DIODE (SERIES)	SOT363	SC-88	RFS						No	BAV99S-QF	934664574135	BAV99S-Q	High-speed switching diodes	Bipolar Discretes
9340218 20115	BC856BW,115	BC856BW,115	BC856BW	PNP general purpose transistors	SOT323	SC-70	RFS						No	BC856BW-QX	934664501115	BC856BW-Q	PNP general purpose transistors	Bipolar Discretes
9340218 20135	BC856BW,135		BC856BW	PNP general purpose transistors	SOT323	SC-70	RFS						No	BC856BW-QF	934664501135	BC856BW-Q	PNP general purpose transistors	Bipolar Discretes

9336630 70115	BCX54-10,115	BCX54-10,115	BCX54-10	45 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX54-10-QX	934664869115	BCX54-10-Q	45 V, 1 A NPN medium power transistor	Bipolar Discretes
9336747 40115	BCX54-16,115	BCX54-16,115	BCX54-16	45 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX54-16-QX	934664786115	BCX54-16-Q	45 V, 1 A NPN medium power transistor	Bipolar Discretes
9336747 40135	BCX54-16,135		BCX54-16	45 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX54-16-QF	934664786135	BCX54-16-Q	45 V, 1 A NPN medium power transistor	Bipolar Discretes
9332723 30115	BCX56,115	BCX56,115	BCX56	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX56-QX	934664787115	BCX56-Q	80 V, 1 A NPN medium power transistor	Bipolar Discretes
9332723 30135	BCX56,135		BCX56	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX56-QF	934664787135	BCX56-Q	80 V, 1 A NPN medium power transistor	Bipolar Discretes
9336630 90115	BCX56-10,115	BCX56-10,115	BCX56-10	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX56-10-QX	934664466115	BCX56-10-Q	80 V, 1 A NPN medium power transistor	Bipolar Discretes
9336630 90135	BCX56-10,135		BCX56-10	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX56-10-QF	934664466135	BCX56-10-Q	80 V, 1 A NPN medium power transistor	Bipolar Discretes
9336747 60115	BCX56-16,115	BCX56-16,115	BCX56-16	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX56-16-QX	934664784115	BCX56-16-Q	80 V, 1 A NPN medium power transistor	Bipolar Discretes
9336747 60135	BCX56-16,135		BCX56-16	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No	BCX56-16-QF	934664784135	BCX56-16-Q	80 V, 1 A NPN medium power transistor	Bipolar Discretes
9336747 60147	BCX56-16,147		BCX56-16	80 V, 1 A NPN medium power transistor	SOT89	MPT3	RFS						No					Bipolar Discretes
9340634 67215	MMBZ10VAL,215	MMBZ10VAL,215	MMBZ10V AL	Low capacitance unidirection al double ESD protection diode	SOT23	TO-236AB	RFS						No	MMBZ10VAL-QR	934664227215	MMBZ10VAL-Q	Low capacitance unidirectional double ESD protection diode	Bipolar Discretes
9340617 96215	MMBZ12VAL,215	MMBZ12VAL,215	MMBZ12V AL	Low capacitance unidirection al double ESD protection diode	SOT23	TO-236AB	RFS						No	MMBZ12VAL-QR	934664229215	MMBZ12VAL-Q	Low capacitance unidirectional double ESD protection diode	Bipolar Discretes
9340617 97215	MMBZ15VAL,215	MMBZ15VAL,215	MMBZ15V AL	Low capacitance unidirection al double ESD protection diode	SOT23	TO-236AB	RFS						No	MMBZ15VAL-QR	934664225215	MMBZ15VAL-Q	Low capacitance unidirectional double ESD protection diode	Bipolar Discretes
9340618 09215	MMBZ15VDL,215		MMBZ15V DL	Double ESD protection diode for transient overvoltage suppression	SOT23	TO-236AB	RFS						No	MMBZ15VDL-QR	934664948215	MMBZ15VDL-Q	Double ESD protection diode for transient overvoltage suppression	Bipolar Discretes
9340617 98215	MMBZ18VAL,215		MMBZ18V AL	Low capacitance unidirection	SOT23	TO-236AB	RFS						No	MMBZ18VAL-QR	934664946215	MMBZ18VAL-Q	Low capacitance unidirectional	Bipolar Discretes

				al double ESD protection diode													double ESD protection diode	
934061799215	MMBZ20VAL,215	MMBZ20VAL,215	MMBZ20VAL	Low capacitance unidirectional double ESD protection diode	SOT23	TO-236AB	RFS						No	MMBZ20VAL-QR	934664947215	MMBZ20VAL-Q	Low capacitance unidirectional double ESD protection diode	Bipolar Discretes
934661194215	MMBZ27VA-TR		MMBZ27VA-T	Double ESD protection diodes for transient overvoltage suppression	SOT23	TO-236AB	RFS						No	MMBZ27VAT-QR	934663253215	MMBZ27VAT-Q	ESD Protection Diode	Bipolar Discretes
934061801215	MMBZ27VAL,215	MMBZ27VAL,215	MMBZ27VAL	Low capacitance unidirectional double ESD protection diode	SOT23	TO-236AB	RFS						No	MMBZ27VAL-QR	934664222215	MMBZ27VAL-Q	Low capacitance unidirectional double ESD protection diode	Bipolar Discretes
934061801235	MMBZ27VAL,235		MMBZ27VAL	Low capacitance unidirectional double ESD protection diode	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934061813215	MMBZ27VCL,215	MMBZ27VCL,215	MMBZ27VCL	Double ESD protection diodes for transient overvoltage suppression	SOT23	TO-236AB	RFS						No	MMBZ27VCL-QR	934664949215	MMBZ27VCL-Q	Double ESD protection diodes for transient overvoltage suppression	Bipolar Discretes
934061802235	MMBZ33VALVL		MMBZ33VAL	Low capacitance unidirectional double ESD protection diode	SOT23	TO-236AB	RFS						No	MMBZ33VAL-QVL	934664945235	MMBZ33VAL-Q	ESD Protection Diode	Bipolar Discretes
934063605215	NUP1301,215	NUP1301,215	NUP1301	Ultra low capacitance ESD protection array	SOT23	TO-236AB	RFS						No	NUP1301-QR	934663889215	NUP1301-Q	Ultra low capacitance ESD protection array	Bipolar Discretes
934065389115	NUP1301U,115	NUP1301U,115	NUP1301U	Ultra low capacitance ESD protection array	SOT323	SC-70	RFS						No	NUP1301U-QX	934663891115	NUP1301U-Q	Ultra low capacitance ESD protection array	Bipolar Discretes
934056515215	PBSS4140T,215	PBSS4140T,215	PBSS4140T	40 V, 1 A NPN low VCEsat (BISS) transistor	SOT23	TO-236AB	RFS						No	PBSS4140T-QR	934663609215	PBSS4140T-Q	40 V, 1 A NPN low VCEsat (BISS) transistor	Bipolar Discretes
934056515235	PBSS4140T,235		PBSS4140T	40 V, 1 A NPN low VCEsat (BISS) transistor	SOT23	TO-236AB	RFS						No	PBSS4140T-QVL	934663609235	PBSS4140T-Q	40 V, 1 A NPN low VCEsat (BISS) transistor	Bipolar Discretes
934057667215	PBSS4160T,215	PBSS4160T,215	PBSS4160T	60 V, 1 A NPN low VCEsat (BISS) transistor	SOT23	TO-236AB	RFS						No	PBSS4160T-QR	934663608215	PBSS4160T-Q	60 V, 1 A NPN low VCEsat (BISS) transistor	Bipolar Discretes
934057667235	PBSS4160TVL	PBSS4160TVL	PBSS4160T	60 V, 1 A NPN low VCEsat (BISS) transistor	SOT23	TO-236AB	RFS						No	PBSS4160T-QVL	934663608235	PBSS4160T-Q	60 V, 1 A NPN low VCEsat (BISS) transistor	Bipolar Discretes
934069681115	PBSS5255PAPSX		PBSS5255PAPS	55V, 2A PNP/PNP low VCEsat (BISS) double transistor	SOT1118D	HUSON6	RFS						No	PBSS5255PAPS-QX	934663872115	PBSS5255PAPS-Q	55V, 2A PNP/PNP low VCEsat (BISS) double transistor	Bipolar Discretes

9340554 96115	PBSS5540Z,115	PBSS5540Z,115	PBSS5540 Z	40 V low VCEsat PNP transistor	SOT223	SC-73	RFS						No	PBSS5540Z-QX	934664542115	PBSS5540Z-Q	40 V low VCEsat PNP transistor	Bipolar Discretes
9340554 96135	PBSS5540ZF		PBSS5540 Z	40 V low VCEsat PNP transistor	SOT223	SC-73	RFS						No	PBSS5540Z-QF	934664542135	PBSS5540Z-Q	40 V low VCEsat PNP transistor	Bipolar Discretes
9340310 60215	PDTA114ET,215	PDTA114ET,215	PDTA114E T	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	SOT23	TO-236AB	RFS						No	PDTA114ET-QR	934664467215	PDTA114ET-Q	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	Bipolar Discretes
9340310 60235	PDTA114ET,235		PDTA114E T	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	SOT23	TO-236AB	RFS						No	PDTA114ET-QVL	934664467235	PDTA114ET-Q	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	Bipolar Discretes
9340435 10115	PDTA114EU,115	PDTA114EU,115	PDTA114E U	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	SOT323	SC-70	RFS						No	PDTA114EU-QX	934664473115	PDTA114EU-Q	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	Bipolar Discretes
9340435 10135	PDTA114EU,135		PDTA114E U	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	SOT323	SC-70	RFS						No	PDTA114EU-QF	934664473135	PDTA114EU-Q	PNP resistor- equipped transistors; R1 = 10 kOhm; R2 = 10 kOhm	Bipolar Discretes
9340547 01215	PDTC114YT,215	PDTC114YT,215	PDTC114Y T	NPN resistor- equipped transistors; R1 = 10 kOhm, R2 = 47 kOhm	SOT23	TO-236AB	RFS						No	PDTC114YT-QR	934664471215	PDTC114YT-Q	NPN resistor- equipped transistors; R1 = 10 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340547 01235	PDTC114YTVL		PDTC114Y T	NPN resistor- equipped transistors; R1 = 10 kOhm, R2 = 47 kOhm	SOT23	TO-236AB	RFS						No	PDTC114YT-QVL	934664471235	PDTC114YT-Q	NPN resistor- equipped transistors; R1 = 10 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340552 07115	PDTC114YU,115	PDTC114YU,115	PDTC114Y U	NPN resistor- equipped transistors; R1 = 10 kOhm, R2 = 47 kOhm	SOT323	SC-70	RFS						No	PDTC114YU-QX	934664451115	PDTC114YU-Q	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340552 07135	PDTC114YUF		PDTC114Y U	NPN resistor- equipped transistors; R1 = 10 kOhm, R2 = 47 kOhm	SOT323	SC-70	RFS						No	PDTC114YU-QF	934664451135	PDTC114YU-Q	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340546 98215	PDTC123JT,215	PDTC123JT,215	PDTC123J T	NPN resistor- equipped transistors; R1 = 2.2 k?, R2 = 47 k?	SOT23	TO-236AB	RFS						No	PDTC123JT-QR	934664506215	PDTC123JT-Q	NPN resistor- equipped transistors; R1 = 2.2 k?, R2 = 47 k?	Bipolar Discretes
9340546 98235	PDTC123JT,235		PDTC123J T	NPN resistor- equipped transistors; R1 = 2.2 k?, R2 = 47 k?	SOT23	TO-236AB	RFS						No	PDTC123JT-QVL	934664506235	PDTC123JT-Q	NPN resistor- equipped transistors; R1 = 2.2 k?, R2 = 47 k?	Bipolar Discretes
9340575 39115	PDTC123JU,115	PDTC123JU,115	PDTC123J U	NPN resistor- equipped transistors; R1 = 2.2 k?, R2 = 47 k?	SOT323	SC-70	RFS						No	PDTC123JU-QX	934664557115	PDTC123JU-Q	NPN resistor- equipped transistors; R1 = 2.2 k?, R2 = 47 k?	Bipolar Discretes

9340441 50115	PDTC124EU,115	PDTC124EU,115	PDTC124E U	NPN resistor- equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	SOT323	SC-70	RFS						No	PDTC124EU-QX	934664454115	PDTC124EU-Q	NPN resistor- equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	Bipolar Discretes
9340441 50135	PDTC124EU,135		PDTC124E U	NPN resistor- equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	SOT323	SC-70	RFS						No	PDTC124EU-QF	934664454135	PDTC124EU-Q	NPN resistor- equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	Bipolar Discretes
9340309 90215	PDTC143ET,215	PDTC143ET,215	PDTC143E T	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 4.7 kOhm	SOT23	TO-236AB	RFS						No	PDTC143ET-QR	934664468215	PDTC143ET-Q	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 4.7 kOhm	Bipolar Discretes
9340309 90235	PDTC143ET,235		PDTC143E T	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 4.7 kOhm	SOT23	TO-236AB	RFS						No	PDTC143ET-QVL	934664468235	PDTC143ET-Q	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 4.7 kOhm	Bipolar Discretes
9340440 90115	PDTC143EU,115	PDTC143EU,115	PDTC143E U	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 4.7 kOhm	SOT323	SC-70	RFS						No	PDTC143EU-QX	934664513115	PDTC143EU-Q	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 4.7 kOhm	Bipolar Discretes
9340575 44115	PDTC143ZU,115	PDTC143ZU,115	PDTC143Z U	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 47 kOhm	SOT323	SC-70	RFS						No	PDTC143ZU-QAX	934664607115	PDTC143ZU-Q	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340310 30215	PDTC144ET,215	PDTC144ET,215	PDTC144E T	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	SOT23	TO-236AB	RFS						No	PDTC144ET-QR	934664461215	PDTC144ET-Q	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340310 30235	PDTC144ETVL		PDTC144E T	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	SOT23	TO-236AB	RFS						No	PDTC144ET-QVL	934664461235	PDTC144ET-Q	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340441 00115	PDTC144EU,115	PDTC144EU,115	PDTC144E U	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	SOT323	SC-70	RFS						No	PDTC144EU-QX	934664449115	PDTC144EU-Q	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340441 00135	PDTC144EU,135		PDTC144E U	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	SOT323	SC-70	RFS						No	PDTC144EU-QF	934664449135	PDTC144EU-Q	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340584 22115	PESD12VL1BA,11 5	PESD12VL1BA,115	PESD12VL 1BA	Low capacitance bidirectiona l ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD12VL1BA-QX	934664697115	PESD12VL1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
9340584 22135	PESD12VL1BAF		PESD12VL 1BA	Low capacitance bidirectiona	SOD323	SOD2	RFS						No	PESD12VL1BA-QF	934664697135	PESD12VL1BA-Q	Low capacitance bidirectional ESD	Bipolar Discretes

				I ESD protection diode in SOD323													protection diode in SOD323	
934062103115	PESD12VS1UA,115	PESD12VS1UA,115	PESD12VS1UA	Unidirectional ESD protection for transient voltage suppression	SOD323	SOD2	RFS						No	PESD12VS1UA-QX	934664950115	PESD12VS1UA-Q	Unidirectional ESD protection for transient voltage suppression	Bipolar Discretes
934063242115	PESD12VS1UJ,115	PESD12VS1UJ,115	PESD12VS1UJ	Unidirectional ESD protection for transient voltage suppression	SOD323F	SOD323F	RFS						No	PESD12VS1UJ-QX	934664699115	PESD12VS1UJ-Q	Unidirectional ESD protection for transient voltage suppression	Bipolar Discretes
934065311315	PESD12VS1ULD,315	PESD12VS1ULD,315	PESD12VS1ULD	Unidirectional ESD protection diode	SOD882D	XSON2	RFS						No	PESD12VS1ULD-QYL	934664951315	PESD12VS1ULD-Q	Unidirectional ESD protection diode	Bipolar Discretes
934058423115	PESD15VL1BA,115	PESD15VL1BA,115	PESD15VL1BA	Low capacitance bidirectional I ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD15VL1BA-QX	934664700115	PESD15VL1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058423135	PESD15VL1BAF		PESD15VL1BA	Low capacitance bidirectional I ESD protection diode in SOD323	SOD323	SOD2	RFS						No					Bipolar Discretes
934058423145	PESD15VL1BAZ		PESD15VL1BA	Low capacitance bidirectional I ESD protection diode in SOD323	SOD323	SOD2	RFS						No					Bipolar Discretes
934058866215	PESD15VL2BT,215	PESD15VL2BT,215	PESD15VL2BT	Low capacitance double bidirectional I ESD protection diode in SOT23	SOT23	TO-236AB	RFS						No	PESD15VL2BT-QR	934665126215	PESD15VL2BT-Q	Low capacitance double bidirectional ESD protection diode in SOT23	Bipolar Discretes
934058513115	PESD15VS1UB,115	PESD15VS1UB,115	PESD15VS1UB	ESD protection diode in SOD523 package	SOD523	SC-79	RFS						No	PESD15VS1UB-QX	934664696115	PESD15VS1UB-Q	ESD protection diode in SOD523 package	Bipolar Discretes
934058513135	PESD15VS1UBF		PESD15VS1UB	ESD protection diode in SOD523 package	SOD523	SC-79	RFS						No	PESD15VS1UB-QF	934664696135	PESD15VS1UB-Q	ESD protection diode in SOD523 package	Bipolar Discretes
934058065215	PESD15VS2UAT,215	PESD15VS2UAT,215	PESD15VS2UAT	Double ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS						No	PESD15VS2UAT-QR	934664693215	PESD15VS2UAT-Q	Double ESD protection diode in SOT23 package	Bipolar Discretes
934058065235	PESD15VS2UATVL		PESD15VS2UAT	Double ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934057611215	PESD15VS2UT,215	PESD15VS2UT,215	PESD15VS2UT	Double ESD protection diodes in SOT23 package	SOT23	TO-236AB	RFS						No	PESD15VS2UT-QR	934664952215	PESD15VS2UT-Q	Double ESD protection diodes in SOT23 package	Bipolar Discretes
934067602315	PESD18VF1BLYL	PESD18VF1BLYL	PESD18VF1BL	Ultra low capacitance bidirectional I ESD	SOD882	SOD2	RFS						No	PESD18VF1BL-QYL	934663865315	PESD18VF1BL-Q	Ultra low capacitance bidirectional ESD protection diode	Bipolar Discretes

				protection diode														
934068025315	PESD24VF1BLYL	PESD24VF1BLYL	PESD24VF1BL	Ultra low capacitance bidirectional ESD protection diode	SOD882	SOD2	RFS						No	PESD24VF1BL-QYL	934664955315	PESD24VF1BL-Q	Ultra low capacitance bidirectional ESD protection diode	Bipolar Discretes
934058424115	PESD24VL1BA,115	PESD24VL1BA,115	PESD24VL1BA	Low capacitance bidirectional ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD24VL1BA-QX	934663868115	PESD24VL1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058424135	PESD24VL1BAF		PESD24VL1BA	Low capacitance bidirectional ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD24VL1BA-QF	934663868135	PESD24VL1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058424145	PESD24VL1BAZ		PESD24VL1BA	Low capacitance bidirectional ESD protection diode in SOD323	SOD323	SOD2	RFS						No					Bipolar Discretes
934065353115	PESD24VS1UA,115	PESD24VS1UA,115	PESD24VS1UA	Unidirectional ESD protection diode	SOD323	SOD2	RFS						No	PESD24VS1UA-QX	934664953115	PESD24VS1UA-Q	Unidirectional ESD protection diode	Bipolar Discretes
934057612215	PESD24VS2UT,215	PESD24VS2UT,215	PESD24VS2UT	Double ESD protection diodes in SOT23 package	SOT23	TO-236AB	RFS						No	PESD24VS2UT-QR	934664684215	PESD24VS2UT-Q	Double ESD protection diodes in SOT23 package	Bipolar Discretes
934059305115	PESD24VS4UD,115	PESD24VS4UD,115	PESD24VS4UD	Quadruple ESD protection diode array in a SOT457 package	SOT457	SC-74	RFS						No	PESD24VS4UD-QX	934664956115	PESD24VS4UD-Q	Quadruple ESD protection diode array in a SOT457 package	Bipolar Discretes
934070187215	PESD2ETH-XR	PESD2ETH-XR	PESD2ETH-X	Ultra low capacitance double rail-to-rail ESD protection diode	SOT143B	SOT4	RFS						No	PESD2ETHX-QR	934664962215	PESD2ETHX-Q	Ultra low capacitance double rail-to-rail ESD protection diode	Bipolar Discretes
934069338115	PESD36VS1UJX	PESD36VS1UJX	PESD36VS1UJ	Unidirectional ESD protection diode	SOD323F	SOD323F	RFS						No	PESD36VS1UJ-QX	934664698115	PESD36VS1UJ-Q	Unidirectional ESD protection diode	Bipolar Discretes
934063585215	PESD36VS2UT,215	PESD36VS2UT,215	PESD36VS2UT	Low capacitance unidirectional double ESD protection diode	SOT23	TO-236AB	RFS						No	PESD36VS2UT-QR	934664685215	PESD36VS2UT-Q	Low capacitance unidirectional double ESD protection diode	Bipolar Discretes
934058419115	PESD3V3L1BA,115	PESD3V3L1BA,115	PESD3V3L1BA	Low capacitance bidirectional ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD3V3L1BA-QX	934664958115	PESD3V3L1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058419135	PESD3V3L1BAF	PESD3V3L1BAF	PESD3V3L1BA	Low capacitance bidirectional ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD3V3L1BA-QF	934664958135	PESD3V3L1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058419145	PESD3V3L1BAZ		PESD3V3L1BA	Low capacitance bidirectional ESD protection	SOD323	SOD2	RFS						No					Bipolar Discretes

				diode in SOD323														
934058509115	PESD3V3S1UB,115	PESD3V3S1UB,115	PESD3V3S1UB	ESD protection diode in SOD523 package	SOD523	SC-79	RFS						No	PESD3V3S1UB-QX	934664957115	PESD3V3S1UB-Q	ESD protection diode in SOD523 package	Bipolar Discretes
934058196215	PESD3V3S2UT,215	PESD3V3S2UT,215	PESD3V3S2UT	Double ESD protection diodes in SOT23 package	SOT23	TO-236AB	RFS						No	PESD3V3S2UT-QR	934664694215	PESD3V3S2UT-Q	Double ESD protection diodes in SOT23 package	Bipolar Discretes
934059301115	PESD3V3S4UD,115	PESD3V3S4UD,115	PESD3V3S4UD	Quadruple ESD protection diode array in a SOT457 package	SOT457	SC-74	RFS						No	PESD3V3S4UD-QX	934664961115	PESD3V3S4UD-Q	Quadruple ESD protection diode array in a SOT457 package	Bipolar Discretes
934062806315	PESD5V0F1BL,315	PESD5V0F1BL,315	PESD5V0F1BL	Femtofarad bidirectiona l ESD protection diode	SOD882	SOD2	RFS						No	PESD5V0F1BL-QYL	934663864315	PESD5V0F1BL-Q	Femtofarad bidirectional ESD protection diode	Bipolar Discretes
934065987315	PESD5V0F1BLD,315	PESD5V0F1BLD,315	PESD5V0F1BLD	Femtofarad bidirectiona l ESD protection diode	SOD882D	XSON2	RFS						No	PESD5V0F1BLD-QYL	934664980315	PESD5V0F1BLD-Q	Very low capacitance bidirectional ESD protection diode	Bipolar Discretes
934058421115	PESD5V0L1BA,115	PESD5V0L1BA,115	PESD5V0L1BA	Low capacitance bidirectiona l ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD5V0L1BA-QX	934664695115	PESD5V0L1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058421135	PESD5V0L1BA,135		PESD5V0L1BA	Low capacitance bidirectiona l ESD protection diode in SOD323	SOD323	SOD2	RFS						No	PESD5V0L1BA-QF	934664695135	PESD5V0L1BA-Q	Low capacitance bidirectional ESD protection diode in SOD323	Bipolar Discretes
934058421145	PESD5V0L1BAZ		PESD5V0L1BA	Low capacitance bidirectiona l ESD protection diode in SOD323	SOD323	SOD2	RFS						No					Bipolar Discretes
934063222115	PESD5V0L1UA,115	PESD5V0L1UA,115	PESD5V0L1UA	Low capacitance unidirection al ESD protection diode	SOD323	SOD2	RFS						No	PESD5V0L1UA-QX	934664969115	PESD5V0L1UA-Q	Low capacitance unidirectional ESD protection diode	Bipolar Discretes
934063219115	PESD5V0L1UB,115	PESD5V0L1UB,115	PESD5V0L1UB	Low capacitance unidirection al ESD protection diode	SOD523	SC-79	RFS						No	PESD5V0L1UB-QX	934664968115	PESD5V0L1UB-Q	Low capacitance unidirectional ESD protection diode	Bipolar Discretes
934065313315	PESD5V0L1ULD,315		PESD5V0L1ULD	Low capacitance unidirection al ESD protection diode	SOD882D	XSON2	RFS						No	PESD5V0L1ULD-QYL	934664973315	PESD5V0L1ULD-Q	Low capacitance unidirectional ESD protection diode	Bipolar Discretes
934058005115	PESD5V0S1BB,115	PESD5V0S1BB,115	PESD5V0S1BB	Bidirectiona l ESD protection diode	SOD523	SC-79	RFS						No	PESD5V0S1BB-QX	934664970115	PESD5V0S1BB-Q	Bidirectional ESD protection diode	Bipolar Discretes
934058511115	PESD5V0S1UB,115	PESD5V0S1UB,115	PESD5V0S1UB	ESD protection diode in SOD523 package	SOD523	SC-79	RFS						No	PESD5V0S1UB-QX	934664959115	PESD5V0S1UB-Q	ESD protection diode in SOD523 package	Bipolar Discretes
934058063215	PESD5V0S2UAT,215	PESD5V0S2UAT,215	PESD5V0S2UAT	Double ESD protection diode in	SOT23	TO-236AB	RFS						No	PESD5V0S2UAT-QR	934664960215	PESD5V0S2UAT-Q	Double ESD protection diode in SOT23 package	Bipolar Discretes

				SOT23 package														
934059302115	PESD5V0S4UD,115	PESD5V0S4UD,115	PESD5V0S4UD	Quadruple ESD protection diode array in a SOT457 package	SOT457	SC-74	RFS						No	PESD5V0S4UD-QX	934664981115	PESD5V0S4UD-Q	Quadruple ESD protection diode array in a SOT457 package	Bipolar Discretes
934060854115	PESD5V0U1BA,115	PESD5V0U1BA,115	PESD5V0U1BA	Low capacitance bidirectional ESD protection diode	SOD323	SOD2	RFS						No	PESD5V0U1BA-QX	934664965115	PESD5V0U1BA-Q	Low capacitance bidirectional ESD protection diode	Bipolar Discretes
934060855115	PESD5V0U1BB,115	PESD5V0U1BB,115	PESD5V0U1BB	Low capacitance bidirectional ESD protection diode	SOD523	SC-79	RFS						No	PESD5V0U1BB-QX	934664967115	PESD5V0U1BB-Q	Low capacitance bidirectional ESD protection diode	Bipolar Discretes
934065314315	PESD5V0U1BLD,315	PESD5V0U1BLD,315	PESD5V0U1BLD	Ultra low capacitance bidirectional ESD protection diode	SOD882D	XSON2	RFS						No	PESD5V0U1BLD-QYL	934664964315	PESD5V0U1BLD-Q	Ultra low capacitance bidirectional ESD protection diode	Bipolar Discretes
934062185115	PESD5V0U1UA,115	PESD5V0U1UA,115	PESD5V0U1UA	Ultra low capacitance unidirectional ESD protection diodes	SOD323	SOD2	RFS						No	PESD5V0U1UA-QX	934663861115	PESD5V0U1UA-Q	Ultra low capacitance unidirectional ESD protection diodes	Bipolar Discretes
934062186115	PESD5V0U1UB,115	PESD5V0U1UB,115	PESD5V0U1UB	Ultra low capacitance unidirectional ESD protection diodes	SOD523	SC-79	RFS						No	PESD5V0U1UB-QX	934664963115	PESD5V0U1UB-Q	Ultra low capacitance unidirectional ESD protection diodes	Bipolar Discretes
934060856215	PESD5V0U2BT,215	PESD5V0U2BT,215	PESD5V0U2BT	Ultra low capacitance bidirectional double ESD protection diode	SOT23	TO-236AB	RFS						No	PESD5V0U2BT-QR	934664966215	PESD5V0U2BT-Q	Ultra low capacitance bidirectional double ESD protection diode	Bipolar Discretes
934063244115	PESD5V0V1BA,115	PESD5V0V1BA,115	PESD5V0V1BA	Very low capacitance bidirectional ESD protection diode	SOD323	SOD2	RFS						No	PESD5V0V1BA-QX	934664979115	PESD5V0V1BA-Q	Very low capacitance bidirectional ESD protection diode	Bipolar Discretes
934063245115	PESD5V0V1BB,115	PESD5V0V1BB,115	PESD5V0V1BB	Very low capacitance bidirectional ESD protection diode	SOD523	SC-79	RFS						No	PESD5V0V1BB-QX	934663867115	PESD5V0V1BB-Q	Very low capacitance bidirectional ESD protection diode	Bipolar Discretes
934065243315	PESD5V0V1BLD,315		PESD5V0V1BLD	Very low capacitance bidirectional ESD protection diode	SOD882D	XSON2	RFS						No	PESD5V0V1BLD-QYL	934664978315	PESD5V0V1BLD-Q	Femtofarad bidirectional ESD protection diode	Bipolar Discretes
934066311315	PESD5V0X1BCAL,315	PESD5V0X1BCAL,315	PESD5V0X1BCAL	Extremely low capacitance bidirectional ESD protection diode	SOD882	SOD2	RFS						No	PESD5V0X1BCAL-QYL	934663863315	PESD5V0X1BCAL-Q	Extremely low capacitance bidirectional ESD protection diode	Bipolar Discretes
934062182215	PESD5V0X1BT,215	PESD5V0X1BT,215	PESD5V0X1BT	Ultra low capacitance bidirectional ESD protection diodes	SOT23	TO-236AB	RFS						No	PESD5V0X1BT-QR	934663862215	PESD5V0X1BT-Q	Ultra low capacitance bidirectional ESD protection diodes	Bipolar Discretes
934065244315	PESD5V0X1ULD,315		PESD5V0X1ULD	Ultra low capacitance unidirectional ESD	SOD882D	XSON2	RFS						No	PESD5V0X1ULD-QYL	934664982315	PESD5V0X1ULD-Q	Ultra low capacitance unidirectional ESD protection diode	Bipolar Discretes

				protection diode														
9340575 93215	PESD5V2S2UT,215	PESD5V2S2UT,215	PESD5V2S2UT	Double ESD protection diodes in SOT23 package	SOT23	TO-236AB	RFS						No	PESD5V2S2UT-QR	934664686215	PESD5V2S2UT-Q	Double ESD protection diodes in SOT23 package	Bipolar Discretes
9346602 52315	PESD8V0S1ULDYL	PESD8V0S1ULDYL	PESD8V0S1ULD	Unidirectional ESD protection diode	SOD882D	XSON2	RFS						No	PESD8V0S1ULD-QYL	934664974315	PESD8V0S1ULD-Q	Unidirectional ESD protection diode	Bipolar Discretes
9338164 90215	PMBTA56,215	PMBTA56,215	PMBTA56	PNP general purpose transistor	SOT23	TO-236AB	RFS						No	PMBTA56-QR	934663610215	PMBTA56-Q	PNP general purpose transistor	Bipolar Discretes
9338164 90235	PMBTA56,235		PMBTA56	PNP general purpose transistor	SOT23	TO-236AB	RFS						No	PMBTA56-QVL	934663610235	PMBTA56-Q	PNP general purpose transistor	Bipolar Discretes
9346616 46139	PMEG045T100EP EZ		PMEG045 T100EPE	45 V, 10 A low VF Trench MEGA Schottky barrier rectifier	SOT1289B	CFP15	RFS						No	PMEG045T100EPE-QZ	934662691139	PMEG045T100EPE-Q	45 V, 10 A low VF Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346615 22139	PMEG060T030EL PEZ	PMEG060T030ELP EZ	PMEG060 T030ELPE	60 V, 3 A low leakage current Trench MEGA Schottky barrier rectifier	SOT1289B	CFP15	RFS						No	PMEG060T030ELPE-QZ	934662716139	PMEG060T030ELP E-Q	60 V, 3 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346615 23139	PMEG060T050EL PEZ	PMEG060T050ELP EZ	PMEG060 T050ELPE	60 V, 5 A low leakage current Trench MEGA Schottky barrier rectifier	SOT1289B	CFP15	RFS						No	PMEG060T050ELPE-QZ	934662717139	PMEG060T050ELP E-Q	60 V, 5 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346615 39139	PMEG060T060CL PEZ	PMEG060T060CLP EZ	PMEG060 T060CLPE	60 V, 2 x 3 A dual common cathode low leakage current Trench MEGA Schottky barrier rectifier	SOT1289B	CFP15	RFS						No	PMEG060T060CLPE-QZ	934662718139	PMEG060T060CLP E-Q	60 V, 2 x 3 A dual common cathode low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346615 41139	PMEG060T080CL PEZ	PMEG060T080CLP EZ	PMEG060 T080CLPE	60 V, 2 x 4 A dual common cathode low leakage current Trench MEGA Schottky barrier rectifier	SOT1289B	CFP15	RFS						No	PMEG060T080CLPE-QZ	934662719139	PMEG060T080CLP E-Q	60 V, 2 x 4 A dual common cathode low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346615 42139	PMEG060T100CL PEZ	PMEG060T100CLP EZ	PMEG060 T100CLPE	60 V, 2 x 5 A dual common cathode low leakage current Trench MEGA Schottky barrier rectifier	SOT1289B	CFP15	RFS						No	PMEG060T100CLPE-QZ	934662720139	PMEG060T100CLP E-Q	60 V, 2 x 5 A dual common cathode low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340614 74115	PMEG3030EP,115	PMEG3030EP,115	PMEG303 0EP	3 A low VF MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG3030EP-QX	934662667115	PMEG3030EP-Q	Schottky barrier rectifier	Bipolar Discretes

9340703 71115	PMEG4010CEGW X	PMEG4010CEGW X	PMEG401 0CEGW	40 V, 1 A low VF MEGA Schottky barrier rectifier	SOD123	SOD2	RFS						No	PMEG4010CEGW-QX	934664903115	PMEG4010CEGW- Q	40 V, 1 A low VF MEGA Schottky barrier rectifier	Bipolar Discretes
9340704 12115	PMEG40T10ERX	PMEG40T10ERX	PMEG40T 10ER	40 V, 1 A low VF Trench MEGA Schottky barrier rectifier	SOD123W	SOD2	RFS						No	PMEG40T10ER-QX	934664432115	PMEG40T10ER-Q	40 V, 1 A low VF Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340704 05115	PMEG40T20EPX	PMEG40T20EPX	PMEG40T 20EP	40 V, 2 A low VF Trench MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG40T20EP-QX	934664433115	PMEG40T20EP-Q	40 V, 2 A low VF Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340704 13115	PMEG40T20ERX	PMEG40T20ERX	PMEG40T 20ER	40 V, 2 A low VF Trench MEGA Schottky barrier rectifier	SOD123W	SOD2	RFS						No	PMEG40T20ER-QX	934664435115	PMEG40T20ER-Q	40 V, 2 A low VF Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340704 06115	PMEG40T30EPX	PMEG40T30EPX	PMEG40T 30EP	40 V, 3 A low VF Trench MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG40T30EP-QX	934664436115	PMEG40T30EP-Q	40 V, 3 A low VF Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340704 14115	PMEG40T30ERX	PMEG40T30ERX	PMEG40T 30ER	40 V, 3 A low Trench MEGA Schottky barrier rectifier	SOD123W	SOD2	RFS						No	PMEG40T30ER-QX	934664437115	PMEG40T30ER-Q	40 V, 3 A low Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340704 07115	PMEG40T50EPX	PMEG40T50EPX	PMEG40T 50EP	40 V, 5 A low VF Trench MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG40T50EP-QX	934664439115	PMEG40T50EP-Q	40 V, 5 A low VF Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340708 74115	PMEG60T10ELPX	PMEG60T10ELPX	PMEG60T 10ELP	60 V, 1 A low leakage current Trench MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG60T10ELP-QX	934664440115	PMEG60T10ELP-Q	60 V, 1 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340707 85115	PMEG60T10ELRX	PMEG60T10ELRX	PMEG60T 10ELR	60 V, 1 A low leakage current Trench MEGA Schottky barrier rectifier	SOD123W	SOD2	RFS						No	PMEG60T10ELR-QX	934664443115	PMEG60T10ELR-Q	60 V, 1 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340708 75115	PMEG60T20ELPX	PMEG60T20ELPX	PMEG60T 20ELP	60 V, 2 A low leakage current Trench MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG60T20ELP-QX	934664445115	PMEG60T20ELP-Q	60 V, 2 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9340707 86115	PMEG60T20ELRX	PMEG60T20ELRX	PMEG60T 20ELR	60 V, 2 A low leakage current Trench MEGA Schottky barrier rectifier	SOD123W	SOD2	RFS						No	PMEG60T20ELR-QX	934664446115	PMEG60T20ELR-Q	60 V, 2 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes

9340707 87115	PMEG60T30ELRX	PMEG60T30ELRX	PMEG60T 30ELR	60 V, 3 A low leakage current Trench MEGA Schottky barrier rectifier	SOD123W	SOD2	RFS						No	PMEG60T30ELR-QX	934664326115	PMEG60T30ELR-Q	60 V, 3 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346602 32115	PMEG60T50ELPX	PMEG60T50ELPX	PMEG60T 50ELP	60 V, 5 A low leakage current Trench MEGA Schottky barrier rectifier	SOD128	FlatPower	RFS						No	PMEG60T50ELP-QX	934663712115	PMEG60T50ELP-Q	60 V, 5 A low leakage current Trench MEGA Schottky barrier rectifier	Bipolar Discretes
9346615 37139	PNE200100CPEZ	PNE200100CPEZ	PNE20010 0CPE	200 V, 2 x 5 A dual common cathode hyperfast recovery rectifier	SOT1289B	CFP15	RFS						No	PNE200100CPE-QZ	934663029139	PNE200100CPE-Q	200 V, 2 x 5 A dual common cathode hyperfast recovery rectifier	Bipolar Discretes
9346615 35139	PNE20060CPEZ	PNE20060CPEZ	PNE20060 CPE	200 V, 2 x 3 A dual common cathode hyperfast recovery rectifier	SOT1289B	CFP15	RFS						No	PNE20060CPE-QZ	934663027139	PNE20060CPE-Q	200 V, 2 x 3 A dual common cathode hyperfast recovery rectifier	Bipolar Discretes
9346615 36139	PNE20080CPEZ	PNE20080CPEZ	PNE20080 CPE	200 V, 2 x 4 A dual common cathode hyperfast recovery rectifier	SOT1289B	CFP15	RFS						No	PNE20080CPE-QZ	934663028139	PNE20080CPE-Q	200 V, 2 x 4 A dual common cathode hyperfast recovery rectifier	Bipolar Discretes
9340589 98215	PRTR5V0U2X,215	PRTR5V0U2X,215	PRTR5V0U 2X	Ultra low capacitance double rail- to-rail ESD protection diode	SOT143B	SOT4	RFS						No	PRTR5V0U2X-QR	934665012215	PRTR5V0U2X-Q	Ultra low capacitance double rail-to-rail ESD protection diode	Bipolar Discretes
9340588 81125	PRTR5V0U4D,125	PRTR5V0U4D,125	PRTR5V0U 4D	Ultra low capacitance quadruple rail-to-rail ESD protection	SOT457	SC-74	RFS						No	PRTR5V0U4D-QH	934665020125	PRTR5V0U4D-Q	Ultra low capacitance quadruple rail-to- rail ESD protection	Bipolar Discretes
9340654 83115	PTVS10VS1UTR,1 15		PTVS10VS 1UTR	High- temperatur e 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS10VS1UTR-QX	934665005115	PTVS10VS1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 51115	PTVS13VS1UR,11 5	PTVS13VS1UR,115	PTVS13VS 1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS13VS1UR-QX	934664992115	PTVS13VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 52115	PTVS14VS1UR,11 5	PTVS14VS1UR,115	PTVS14VS 1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS14VS1UR-QX	934664989115	PTVS14VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 53115	PTVS15VS1UR,11 5	PTVS15VS1UR,115	PTVS15VS 1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS15VS1UR-QX	934665006115	PTVS15VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340654 88115	PTVS15VS1UTR,1 15	PTVS15VS1UTR,11 5	PTVS15VS 1UTR	High- temperatur e 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS15VS1UTR-QX	934665004115	PTVS15VS1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes
9340641 69115	PTVS16VP1UP,11 5		PTVS16VP 1UP	600 W Transient Voltage Suppressor	SOD128	FlatPower	RFS						No	PTVS16VP1UP-QX	934664985115	PTVS16VP1UP-Q	600 W Transient Voltage Suppressor	Bipolar Discretes
9340654 89115	PTVS16VS1UTR,1 15	PTVS16VS1UTR,11 5	PTVS16VS 1UTR	High- temperatur e 400 W	SOD123W	SOD2	RFS						No	PTVS16VS1UTR-QX	934664984115	PTVS16VS1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes

				Transient Voltage Suppressor														
9340613 55115	PTVS17VS1UR,115	PTVS17VS1UR,115	PTVS17VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS17VS1UR-QX	934665009115	PTVS17VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340641 72115	PTVS18VP1UP,115	PTVS18VP1UP,115	PTVS18VP1UP	600 W Transient Voltage Suppressor	SOD128	FlatPower	RFS						No	PTVS18VP1UP-QX	934665003115	PTVS18VP1UP-Q	600 W Transient Voltage Suppressor	Bipolar Discretes
9340641 74115	PTVS22VP1UP,115		PTVS22VP1UP	600 W Transient Voltage Suppressor	SOD128	FlatPower	RFS						No	PTVS22VP1UP-QX	934665000115	PTVS22VP1UP-Q	600 W Transient Voltage Suppressor	Bipolar Discretes
9340613 59115	PTVS24VS1UR,115	PTVS24VS1UR,115	PTVS24VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS24VS1UR-QX	934665007115	PTVS24VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 61115	PTVS26VS1UR,115	PTVS26VS1UR,115	PTVS26VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS26VS1UR-QX	934664988115	PTVS26VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340641 77115	PTVS28VP1UP,115	PTVS28VP1UP,115	PTVS28VP1UP	600 W Transient Voltage Suppressor	SOD128	FlatPower	RFS						No	PTVS28VP1UP-QX	934664999115	PTVS28VP1UP-Q	600 W Transient Voltage Suppressor	Bipolar Discretes
9340613 62115	PTVS28VS1UR,115	PTVS28VS1UR,115	PTVS28VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS28VS1UR-QX	934664997115	PTVS28VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340641 78115	PTVS30VP1UP,115	PTVS30VP1UP,115	PTVS30VP1UP	600 W Transient Voltage Suppressor	SOD128	FlatPower	RFS						No	PTVS30VP1UP-QX	934665001115	PTVS30VP1UP-Q	600 W Transient Voltage Suppressor	Bipolar Discretes
9340613 63115	PTVS30VS1UR,115	PTVS30VS1UR,115	PTVS30VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS30VS1UR-QX	934664987115	PTVS30VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340654 99115	PTVS30VS1UTR,115	PTVS30VS1UTR,115	PTVS30VS1UTR	High-temperature 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS30VS1UTR-QX	934664994115	PTVS30VS1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 64115	PTVS33VS1UR,115	PTVS33VS1UR,115	PTVS33VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS33VS1UR-QX	934664986115	PTVS33VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340655 01115	PTVS33VS1UTR,115	PTVS33VS1UTR,115	PTVS33VS1UTR	High-temperature 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS33VS1UTR-QX	934665010115	PTVS33VS1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 65115	PTVS36VS1UR,115	PTVS36VS1UR,115	PTVS36VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS36VS1UR-QX	934664998115	PTVS36VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340654 73115	PTVS3V3S1UTR,115	PTVS3V3S1UTR,115	PTVS3V3S1UTR	High-temperature 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS3V3S1UTR-QX	934664996115	PTVS3V3S1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes
9340641 83115	PTVS43VP1UP,115	PTVS43VP1UP,115	PTVS43VP1UP	600 W Transient Voltage Suppressor	SOD128	FlatPower	RFS						No	PTVS43VP1UP-QX	934665002115	PTVS43VP1UP-Q	600 W Transient Voltage Suppressor	Bipolar Discretes
9340613 72115	PTVS54VS1UR,115	PTVS54VS1UR,115	PTVS54VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS54VS1UR-QX	934664993115	PTVS54VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340655 08115	PTVS54VS1UTR,115		PTVS54VS1UTR	High-temperature 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS54VS1UTR-QX	934664991115	PTVS54VS1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes

9340613 73115	PTVS58VS1UR,115	PTVS58VS1UR,115	PTVS58VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS58VS1UR-QX	934664995115	PTVS58VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 75115	PTVS64VS1UR,115	PTVS64VS1UR,115	PTVS64VS1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS64VS1UR-QX	934664990115	PTVS64VS1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340613 39115	PTVS6V0S1UR,115	PTVS6V0S1UR,115	PTVS6V0S1UR	400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS6V0S1UR-QX	934665011115	PTVS6V0S1UR-Q	400 W Transient Voltage Suppressor	Bipolar Discretes
9340654 79115	PTVS8V0S1UTR,115		PTVS8V0S1UTR	High-temperature 400 W Transient Voltage Suppressor	SOD123W	SOD2	RFS						No	PTVS8V0S1UTR-QX	934665008115	PTVS8V0S1UTR-Q	High-temperature 400 W Transient Voltage Suppressor	Bipolar Discretes
9340499 50115	PUMD2,115	PUMD2,115	PUMD2	NPN/PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	SOT363	SC-88	RFS						No	PUMD2-QX	934664497115	PUMD2-Q	NPN/PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	Bipolar Discretes
9340499 50125	PUMD2,125		PUMD2	NPN/PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	SOT363	SC-88	RFS						No	PUMD2-QH	934664497125	PUMD2-Q	NPN/PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	Bipolar Discretes
9340499 50165	PUMD2,165		PUMD2	NPN/PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	SOT363	SC-88	RFS						No	PUMD2-QZ	934664497165	PUMD2-Q	NPN/PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = 22 kOhm	Bipolar Discretes
9340578 94115	PUMH13,115	PUMH13,115	PUMH13	NPN/NPN double Resistor-Equipped Transistor (RET); R1= 4.7 kOhm, R2 = 47 kOhm	SOT363	SC-88	RFS						No	PUMH13-QX	934664453115	PUMH13-Q	NPN/NPN double Resistor-Equipped Transistor (RET); R1= 4.7 kOhm, R2 = 47 kOhm	Bipolar Discretes
9340578 94135	PUMH13F	PUMH13F	PUMH13	NPN/NPN double Resistor-Equipped Transistor (RET); R1= 4.7 kOhm, R2 = 47 kOhm	SOT363	SC-88	RFS						No	PUMH13-QF	934664453135	PUMH13-Q	NPN/NPN double Resistor-Equipped Transistor (RET); R1= 4.7 kOhm, R2 = 47 kOhm	Bipolar Discretes