



Product Change Notification / RMES-28XQZO271

Date:

29-Dec-2020

Product Category:

Power Discrete Components

PCN Type:

Manufacturing Change

Notification Subject:

Memo Log # ML122020009G Final Notice: Implement VDS(ON) specifications parameter change for RF MOSFET (VDMOS) VRF141, VRF141G and VRF141MP catalog part numbers (CPN).

Affected CPNs:

[RMES-28XQZO271_Affected_CPN_12292020.pdf](#)
[RMES-28XQZO271_Affected_CPN_12292020.csv](#)

Notification Text:

PCN Status: Final notification

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

Description of Change: Implement VDS(ON) specifications parameter change for RF MOSFET (VDMOS) VRF141, VRF141G and VRF141MP catalog part numbers (CPN).

Pre Change:

See table summary/comparison below

Post Change:

See table summary/comparison below

Pre and Post Change Summary: Below are the V_{DS(ON)} specification changes for affected products. Efforts are underway to reduce V_{DS(ON)} to the previous limits by the middle of calendar year 2021.

	Pre Change		Post Change	
Affected Part Numbers	V _{DS(ON)} Typical [V]	V _{DS(ON)} Maximum [V]	V _{DS(ON)} Typical [V]	V _{DS(ON)} Maximum [V]
VRF141	0.9	1.0	1.0	1.3
VRF141MP				
VRF141G				

Impacts to Data Sheet: Yes

Data Sheet Links:

VRF141 / VRF141MP - [VRF141, VRF141MP RF MOSFET \(VDMOS\) 80 V 150 W 175 MHz M174 Datasheet](#)

VRF141G - [VRF141G RF MOSFET \(VDMOS\) 80 V 150 W 175 MHz M208 Datasheet](#)

Change Impact:None

Reason for Change: To increase productivity with transfer to new wafer foundry

Change Implementation Status: In progress

Estimated First Ship Date: December 29, 2020

NOTE: The estimated first ship date is the earliest date that we may ship products from the new wafer foundry with the changes listed in this PCN. After the estimated first ship date, these changes may occur to any affected product over the course of many weeks depending on inventory levels and business conditions.

Time Table Summary:

	December 2020			
Workweek	49	50	51	52
Final PCN Issue Date				X
Estimated Implementation Date				X

Method to Identify Change: Traceability code

Qualification Report: Not applicable

Revision History: December 29, 2020: Issued final notification. Added estimated first ship date by December 29, 2020.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

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