



PCN# : P693AAB
Issue Date : Sep. 09, 2016

Information Only Notification

This is to inform you that a change is being made to the following products.

This is a minor change that has no impact on product quality, reliability, electrical or mechanical performance. Affected products will remain fully compliant to all published specifications. Notification is being made for informational purposes only and there is no approval required. Products incorporating this change may be shipped interchangeably with existing unchanged products on or after the issue date of this notification.

Please contact your local Customer Quality Engineer if you have any questions regarding this notification.

Implementation of change:

Description of Change (From) :

1. MOSFET max ratings: (page 1)
 - Continuous ID Tc=25C from -1.8A
 - No continuous ID at Tc=100C;
 - Pulse ID from -2A
4. Figure 10, Maximum Continuous Drain Current vs. Temperature was limited by package limit (Page 4)
5. Figure 11 Safe Operating Area curve, pulse current is -2A, and continuous current is limited by package limit. (Page 4)

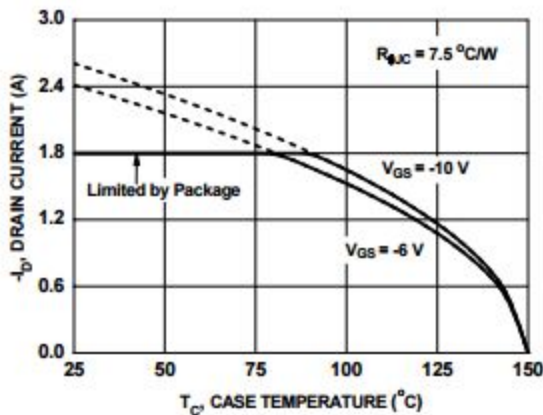


Figure 10. Maximum Continuous Drain Current vs Case Temperature

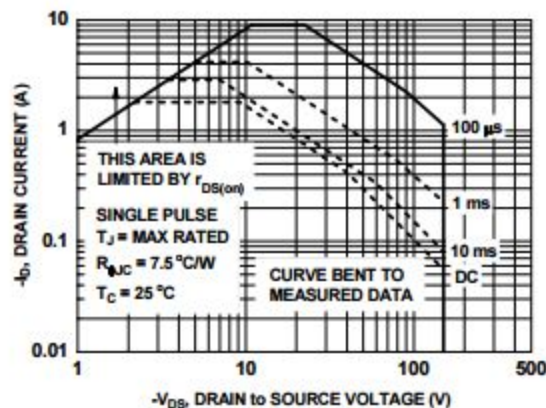


Figure 11. Forward Bias Safe Operating Area

Description of Change (To) :

1. MOSFET max ratings:
 - Continuous ID Tc=25C to -2.6A

- Add continuous ID at $T_c=100^\circ\text{C} = -1.65\text{A}$
 - Pulse ID updated to -9A based on $100\mu\text{s}$ transient thermal calculation.
- Updated Figure 10 to remove package limit;
 - Updated Figure 11 SOA curve, pulse current to -9A based on $100\mu\text{s}$ calculation and continuous current not limited by package limit.

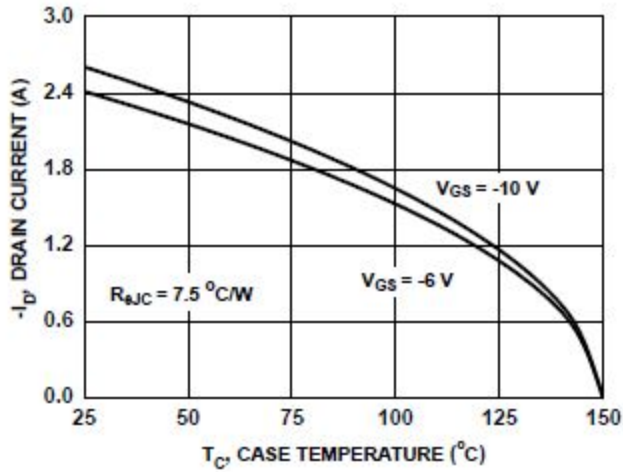


Figure 10. Maximum Continuous Drain Current vs. Case Temperature

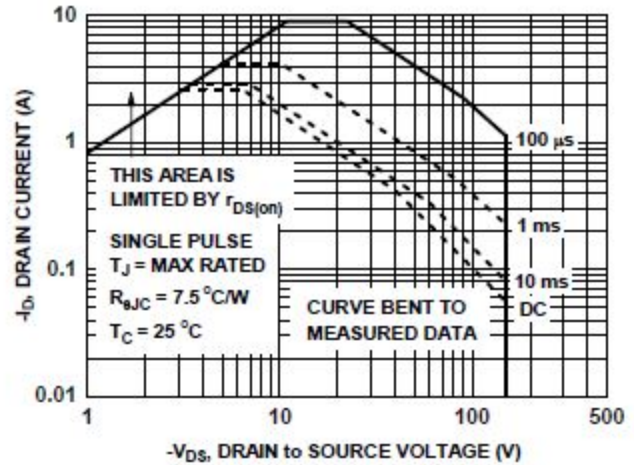


Figure 11. Forward Bias Safe Operating Area

Reason for Change:
This is a datasheet change only.

Updating the continuous ID/Pulse ID based on current rating rule and to better represent actual device capability.



Affected Product(s):

FDMC86265P	FDMC86265P_Z	
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