

## Customer Notification of

☒ **PRODUCT- /** ☐ **PROCESS CHANGE**

(According to JEDEC Standard J-STD-046 July 2016)

### Vincotech – PCN – 29-2020

#### SUBJECT OF CHANGE:

Datasheet correction

#### PRODUCTS AFFECTED:

10-FY09S2A065ME-L869L08

#### REASON OF CHANGE:

Parameter corrections, product is unchanged

#### CLASSIFICATION OF CHANGE: Major

#### DESCRIPTION OF CHANGE:

Correct Boost Switch  
Dynamic Parameters.

##### CURRENT

Dynamic									
Turn-on delay time	$t_{on}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$
Turn-off delay time	$t_{off}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$
Turn-on energy (per pulse)	$E_{on}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$
Turn-off energy (per pulse)	$E_{off}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$

##### NEW

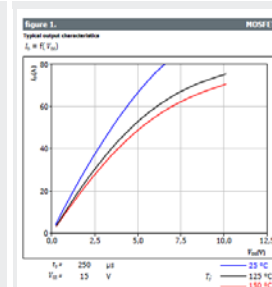
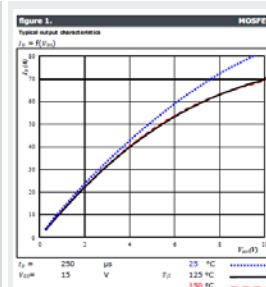
Dynamic									
Turn-on delay time	$t_{on}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$
Turn-off delay time	$t_{off}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$
Turn-on energy (per pulse)	$E_{on}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$
Turn-off energy (per pulse)	$E_{off}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$	$R_{DS(on)}$

Correct Boost Diode Static &  
Dynamic Parameters.

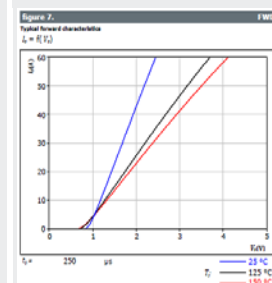
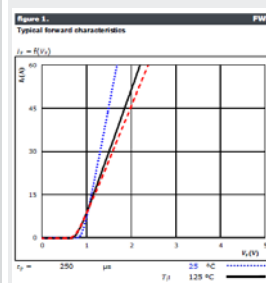
Boost Diode									
Static	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$
Reverse leakage current	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$
Dynamic	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$
Peak recovery current	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$
Reverse recovery time	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$
Reverse recovery charge	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$
Reverse recovery energy	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$
Peak rate of fall of recovery current	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$

Boost Diode									
Static	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$	$I_S$
Reverse leakage current	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$	$I_{R0}$
Dynamic	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$
Peak recovery current	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$	$I_{PR}$
Reverse recovery time	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$	$t_{rr}$
Reverse recovery charge	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$	$Q_{rr}$
Reverse recovery energy	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$	$E_{rr}$
Peak rate of fall of recovery current	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$	$dI_{PR}/dt$

Correct Boost Switch  
Characteristics.



Correct Boost Diode  
Characteristics



#### ANTICIPATED IMPACT ON:

Form:

No

Fit:

No

Function:

No

Others:

Datasheet

#### TIME SCHEDULE:

Final qualification report:	not changed
First samples available:	on request
Start of delivery:	n/a

#### PRODUCT IDENTIFICATION:

Part#	Current Revision	New Revision
10-FY09S2A065ME-L869L08	1	Affected product revision is unchanged.

#### DOCUMENTATION

Qualification report	on request
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#### Important information for your attention:

Minor change:

- For information purpose only (no customer acknowledgment required)

Major change:

- Customers should acknowledge receipt of the PCN within 30 days of delivery of the PCN.
- Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.
- After acknowledgement, lack of additional response within the 90 day period constitutes acceptance of the change.

#### Vincotech Contact:

Web: [www.vincotech.com](http://www.vincotech.com)