



Final Product/Process Change Notification

Document #:FPCN27448XD

Issue Date:03 Aug 2026

Title of Change:	Qualification mold compound second source for SPM2V/3V products.	
Proposed First Ship date:	10 Nov 2026 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office	
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local onsemi Sales Office	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Changed material can be identified by lot code.	
Change Category:	Assembly Change	
Change Sub-Category(s):	EMC vendor change : vendor change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Suzhou, China	None	
Description and Purpose:		
onsemi wishes to inform customers that a new green mold compound, GR710F SP, from a China-based local supplier (Hysol) has been qualified as an alternate source for selected SPM3V and SPM33 products at the onsemi Suzhou, China site.		
This qualification is intended to enhance supply chain flexibility and ensure continuity of supply.		
	From	To
Mold Compound	KTMC5400SM KTMC5400GLF	KTMC5400SM KTMC5400GLF GR710F
All other aspects of the impacted products (form, fit, function) will remain unchanged.		
There is no product marking change because of this change.		



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Reliability Data Summary:

QV DEVICE NAME: FSBB30CH60C

RMS: U105509

PACKAGE: SPM3V

Test	Specification	Conditions	Interval	Results
HAST	JESD22-A110	Ta/min(°C): 110 RH(%): 85 Pressure: 3 psig bias = Vcc 15V, Vpn 42V	264 Hr	0 / 12
HTRB	JESD22-A108	Tj/max(°C): 150 Bias = Vcc 15V, Vpn 480V	1008 Hr	0 / 12
HTSL	JESD22-A103	Ta/min(°C): 150	1008 Hr	0 / 12
RSH	JESD22-B106	Ta/min(°C): 268 10s		0 / 10
TC	JESD22-A104	Ta/min(°C): -40 Ta/max(°C): 125	1000 Cyc	0 / 12
UHAST	JESD22-A118	Ta/min(°C): 110 RH(%): 85 Pressure: 18.8 psig	264 Hr	0 / 12
SD	JSTD002	Ta: 245C		0 / 5

QV DEVICE NAME: FSBB10CH120DF

RMS: U105451, U107495

PACKAGE: SPM3V

Test	Specification	Conditions	Interval	Results
HAST	JESD22-A110	Ta/min(°C): 110 RH(%): 85 Pressure: 3 psig bias = Vcc 15V, Vpn 100V	264 Hr	0 / 12
HTRB	JESD22-A108	Tj/max(°C): 150 Bias = Vcc 15V, Vpn 960V	1008 Hr	0 / 12
HTSL	JESD22-A103	Ta/min(°C): 150	1008 Hr	0 / 12
RSH	JESD22-B106	Ta/min(°C): 268 10s		0 / 10
TC	JESD22-A104	Ta/min(°C): -40 Ta/max(°C): 125	1000 Cyc	0 / 12
UHAST	JESD22-A118	Ta/min(°C): 110 RH(%): 85 Pressure: 18.8 psig	264 Hr	0 / 12
SD	JSTD002	Ta: 245C		0 / 5

QV DEVICE NAME: FPA23012A

RMS: U105458

PACKAGE: SPM2V(33)

Test	Specification	Conditions	Interval	Results
HAST	JESD22-A110	Ta/min(°C): 110 RH(%): 85 Pressure: 3 psig Bias 960V	264 Hr	0 / 12
HTRB	JESD22-A108	Tj/max(°C): 150 Bias 960V	1008 Hr	0 / 12
HTSL	JESD22-A103	Ta/min(°C): 150	1008 Hr	0 / 12
RSH	JESD22-B106	Ta/min(°C): 268 10s		0 / 10
TC	JESD22-A104	Ta/min(°C): -40 Ta/max(°C): 125	1000 Cyc	0 / 12
UHAST	JESD22-A118	Ta/min(°C): 110 RH(%): 85 Pressure: 18.8 psig	264 Hr	0 / 12
SD	JSTD002	Ta: 245C, 5s		0 / 5



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Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Current Part Number	New Part Number	Qualification Vehicle
FPA22012A	#NONE	FPA23012A
FPA23012A	#NONE	FPA23012A
FCA22012A	#NONE	FPA23012A
FPDL15BH60	#NONE	FSBB10CH120DF
FPDL10BH60L	#NONE	FSBB10CH120DF
FPDL10BH60	#NONE	FSBB10CH120DF
FPAB20BH60B	#NONE	FSBB30CH60C