



Final Product/Process Change Notification

Document #:FPCN25814ZA

Issue Date:31 Jan 2025

Title of Change:	Qualification of mold compound second source GR710F at onsemi Suzhou, China for DPAK devices.	
Proposed Changed Material First Ship Date:	07 Aug 2025 or earlier if approved by customer	
Current Material Last Order Date:	N/A <i>Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability.</i>	
Current Material Last Delivery Date:	N/A <i>The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory</i>	
Product Category:	Active components – Discrete components	
Contact information:	Contact your local onsemi Sales Office	
PCN Samples Contact:	Contact your local onsemi Sales Office to place sample order. Sample requests are to be submitted no later than 45 days after publication of this change notification. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Sample Availability Date:	28 Feb 2025	
PPAP Availability Date:	28 Feb 2025	
Additional Reliability Data:	Contact your local onsemi Sales Office	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. The change will be implemented at 'Proposed Change Material First Ship Date' in compliance to J-STD-46 or ZVEI, or earlier upon customer approval, or per our signed agreements. onsemi will consider this proposed change and it's conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com .	
Change Category		
Category	Type of Change	
Process - Assembly	Change of mold compound	
Description and Purpose:		
<p>This FPCN is to inform customers that onsemi has qualified new green mold compound GR710F from China supplier Hysol, as second source on selected DPAK Discrete products in onsemi Suzhou, China.</p> <p>This will help improve supply chain flexibility.</p>		
	Before Change Description	After Change Description
Mold Compound	CEL8240HF10FC	CEL8240HF10FC & GR710F
<p>All other aspects of the impacted products (form, fit, function) will remain unchanged.</p> <p>There is no product marking change because of this change.</p> <p>There are no changes in product electrical specifications.</p>		



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Reason / Motivation for Change:	supply chain flexibility			
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by onsemi in relation to the PCN, associated risks are verified and excluded. No anticipated impacts.			
Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
onsemi Suzhou, China		None		
Marking of Parts/ Traceability of Change:	Keep same marking. Changed material will be identified by lot code.			
Reliability Data Summary:				
QV DEVICE NAME: FFSD1065B-F085 PACKAGE: DPAK RMS: U87005				
Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=175°C, 100% max rated V	1008hrs	0/231
HTSL	JESD22-A103	Ta= 175°C	1008hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only		0/924
TC+PC	JESD22-A104	Ta= -55°C to +150°C	1000cyics	0/231
HAST+PC	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96hrs	0/231
UHAST+PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs	0/231
IOL+PC	MIL STD750, M 1037	Ta=+25°C, delta Tj=100°C max, Ton=Toff=2min	15000cyics	0/231
SD	JSTD002	Ta = 245°C, 5 sec		0/45
NOTE: AEC-1pager is attached.				
To view attachments: 1. Download pdf copy of the PCN to your computer 2. Open the downloaded pdf copy of the PCN 3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field 4. Then click on the attached file.				
Electrical Characteristics Summary:				
Electrical characteristics are not impacted.				



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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
FFSD1065B-F085	#NONE	FFSD1065B-F085
FFSD0865B-F085	#NONE	FFSD1065B-F085