



Final Product/Process Change Notification

Document #:FPCN26234XA

Issue Date:02 Jun 2024

Title of Change:	Qualification of alternate mold compound GR30 at onsemi Suzhou, China to avoid supply disruption of Sumitomo EME 6600CS.	
Proposed First Ship date:	09 Sep 2024 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Yun.Cui@onsemi.com , HuaBin.Cui@onsemi.com	
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 or Jutta.Xu@onsemi.com	
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 will be identified by lot code	
Change Category:	Assembly Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Suzhou, China	None	
Description and Purpose:		
This FPCN is to inform customers that onsemi is qualifying new green mold compound GR30 from China local supplier Hysol, as alternative source on selected Discrete products in onsemi Suzhou, China, to avoid supply disruption risk of Sumitomo non-green mold compound EME 6600CS.		
	Before Change Description	After Change Description
Mold Compound	EME 6600CS	EME 6600CS GR30
All other aspects of the impacted products (form, fit, function) will remain unchanged.		
There is no product marking change because of this change.		
There are no changes in product electrical specifications.		



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Reliability Data Summary:

QV DEVICE NAME: AFGHL75T65SQDT

PACKAGE: TO-247

RMS: U89264/S89595/U91777

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj= 175°C, 100% max rated V	1008hrs	0/231
HTGB	JESD22-A108	Tj=175°C, 100% max rated Vge	1008hrs	0/231
HTSL	JESD22-A103	Ta= 175°C	1008hrs	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	1000cyics	0/231
HAST	JESD22-A110	Temp = 130°C, 85% RH, ~ 18.8 psig, bias	96hrs	0/231
UHAST	JESD22-A118	Temp = 130°C, RH=85%, ~ 18.8 psig, unbiased	96hrs	0/231
IOL	MIL STD750, M 1037	Ta=+25°C, delta Tj=100°C max, 5 min= Ton=Toff	6000cyics	0/231
RSH	JESD22-B106	Ta=265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 5 sec		0/45

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](#).

Part Number	Qualification Vehicle
FGH50T65UPD	AFGHL75T65SQDT
FGH75T65UPD	AFGHL75T65SQDT