



Title of Change:	Qualify ON Semiconductor Vietnam (OSV) as an additional location for Assembly/Test of products in SMC package.	
Proposed first ship date:	21 March 2018	
Contact information:	Contact your local ON Semiconductor Sales Office or <Phuong.Hoang@onsemi.com>	
Samples:	Contact your local ON Semiconductor Sales Office or <Phuong.Hoang@onsemi.com>	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <cheanching.sim@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. ON Semiconductor 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>.	
Change Part Identification:	Product from ON Semiconductor Vietnam (OSV) will be marked with site code "VN" prior to the date code while the Seremban device does not have site code marking.	
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____	
Change Sub-Category(s):	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input checked="" type="checkbox"/> Manufacturing Site Change/Addition</div> <div style="width: 33%;"><input type="checkbox"/> Material Change</div> <div style="width: 33%;"><input type="checkbox"/> Datasheet/Product Doc change</div> <div style="width: 33%;"><input type="checkbox"/> Product specific change</div> <div style="width: 33%;"><input checked="" type="checkbox"/> Shipping/Packaging/Marking</div> <div style="width: 33%;"><input type="checkbox"/> Other: _____</div> <div style="width: 33%;"><input type="checkbox"/> Manufacturing Process Change</div> </div>	
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia ON Dong Nai Province, Vietnam	External Foundry/Subcon Sites: None
Description and Purpose: This FPCN announces the planned capacity expansion of ON Semiconductor's assembly and test operations of SMC discrete packaged products to ON Semiconductor Vietnam (OSV). The Schottky products in SMC package are currently being assembled and tested at Seremban. Upon the expiration of this FPCN, Schottky products in SMC package can be processed at OSV location using same Bill of Material. ON Semiconductor Vietnam (OSV) is qualified site for SMC Standard discrete packaged products. Products sourced from OSV have been qualified to Consumer requirements and continue remain as Pb-free, Halide free and RoHS compliant.		

**Reliability Data Summary:**

QV DEVICE NAME: MBRS4201T3G (Schottky Rectifier)

PACKAGE: SMC

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 90 °C, bias = 100% of rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 2min	15000 cyc	0/252
TC	JESD22-A104	Temp = -65°C to +150°C	1000 cyc	0/252
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
H3TRB	JESD22-A101	Temp = 85°C, RH=85%, bias = 100V max	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/1008
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90
SD	JSTD002	Ta = 245°C, 10 sec		0/45

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Part Number	Qualification Vehicle
MBRS3100T3G	MBRS4201T3G
MBRS3201T3G	
MBRS320T3G	
MBRS330T3G	
MBRS340T3G	
MBRS360T3G	
MBRS410ET3G	
MBRS410LT3G	
MBRS4201T3G	
MBRS540T3G	