



Title of Change:	Transfer of Assembly and Test operations for CASE77 (Bipolar Power Transistor, SCR and TRIAC) to ON Semiconductor Shenzhen, China.							
Proposed first ship date:	30 November 2016 <i>or earlier upon customer approval.</i>							
Contact information:	Contact your local ON Semiconductor Sales Office or <farrah.omar@onsemi.com> for Bipolar Power Transistor or <SayMeng.Lim@onsemi.com> for SCR and TRIAC							
Samples:	Contact your local ON Semiconductor Sales Office							
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Richard.Clemente@onsemi.com>							
Type of notification:	<p>This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.</p> <p>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>.</p>							
Change Part Identification:	There are no changes in the part numbers, case outline or 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):	<input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____							
Sites Affected:	<input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable <input checked="" type="checkbox"/> ON Semiconductor site(s) : ON Shenzhen, China <input type="checkbox"/> External Foundry/Subcon site(s)							
Description and Purpose:	<p>This Final Notification announces the transfer of ON Semiconductor’s assembly and test operations for the below listed CASE77 discrete package products, currently built at ON Semiconductor Seremban (TB), Malaysia to ON Semiconductor Shenzhen (NO), China.</p> <p>These products have been qualified to commercial/industrial requirements and qualification tests show that the reliability of transferred devices will continue to meet or exceed ON Semiconductor standards. There are no changes in the part numbers, case outline or marking of the products.</p>							
	<table border="1"> <thead> <tr> <th></th> <th style="background-color: #00b050; color: white;">Before Change</th> <th style="background-color: #00b050; color: white;">After Change</th> </tr> </thead> <tbody> <tr> <td>Assembly/Test Site</td> <td>ON Semiconductor Seremban (TB), Malaysia</td> <td>ON Semiconductor Shenzhen (NO), China</td> </tr> </tbody> </table>			Before Change	After Change	Assembly/Test Site	ON Semiconductor Seremban (TB), Malaysia	ON Semiconductor Shenzhen (NO), China
	Before Change	After Change						
Assembly/Test Site	ON Semiconductor Seremban (TB), Malaysia	ON Semiconductor Shenzhen (NO), China						

**Reliability Data Summary:**

QV DEVICE NAME: BD681G

PACKAGE: CASE 77

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150°C, 80% max rated V	1008 hrs	0 / 160
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0 / 160
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15K cyc	0 / 160
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0 / 160
H3TRB	JESD22 A101	Ta=85°C RH=85% bias=80% rated V or 100V Max	1008 hrs	0 / 160
AC	JESD22 A102	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0 / 160
RSH	JESD22- B106	Ta = 265C, 10 sec		0 / 30
SD	JSTD002	Ta = 245C, 10 sec		0/ 15

Electrical Characteristic Summary:

There are no changes in electrical characteristics. Product performance meets data sheet specifications.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
BD439G	BD681G
BD441G	BD681G
BD442G	BD681G
MJE802G	BD681G
MJE803G	BD681G