



Title of Change:	Qualification of mold compound G700HF in D2PAK package in ON Semiconductor Seremban Malaysia (SBN)	
Proposed first ship date:	9 January 2019	
Contact information:	Contact your local ON Semiconductor Sales Office or Ahmad Faris <AhmadFaris.Dzulkipli@onsemi.com>	
Samples:	Contact your local ON Semiconductor Sales Office or PCN.samples@onsemi.com 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.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Chean Ching Sim <ffxg4t@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:	Affected parts will be identified with a date code of WW48'18 or later.	
Change Category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____	
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Addition <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____	
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia	External Foundry/Subcon Sites: None
Description and Purpose:		
This is to notify customers of the change in mold compound on selected devices in D2PAK package from Sumitomo GE8000CH4ES to G700HF.		
	Before Change Description	After Change Description
Mold Compound	GE8000CH4ES	G700HF
The change is to improve product package robustness. There is no product marking change as a result of this change.		

**Reliability Data Summary:****QV DEVICE NAME:** NJVMJB41CT4G (BJT)**PACKAGE:** D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

QV DEVICE NAME: NJVMJB45H11T4G (BJT)**PACKAGE:** D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15



QV DEVICE NAME: NRVUB1660CTT4G (Ultrafast Rectifier)

PACKAGE: D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

QV DEVICE NAME: SBRB20100CTT4G (Schottky Rectifier)

PACKAGE: D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 90 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15



QV DEVICE NAME: NVB6410ANT4G (MOSFET)

PACKAGE: D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 175 °C, bias = 100% of rated V	1008 hrs	0/77
HTGB	JESD22-A108	Ta = 175°C, 100% max rated Vgss	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

QV DEVICE NAME: MVB50P03HDLT4G (MOSFET)

PACKAGE: D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/231
HTGB	JESD22-A108	Ta = 150°C, 100% max rated Vgss	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/231
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/231
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/231
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum100V	1008 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15



QV DEVICE NAME: NTSB40120CTT4G (Schottky Rectifier)

PACKAGE: D2PAK

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 80 °C, bias = 80% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

Electrical Characteristic Summary:

Electrical characteristic are not impacted.

List of Affected Parts:

Part Number	Qualification Vehicle
MTB2P50ET4G	MVB50P03HDLT4G
MTB30P06VT4G	MVB50P03HDLT4G
MTB50P03HDL	MVB50P03HDLT4G
MTB50P03HDLG	MVB50P03HDLT4G
MTB50P03HDLT4	MVB50P03HDLT4G
MTB50P03HDLT4G	MVB50P03HDLT4G
NTB23N03RG	NVB6410ANT4G
NTB23N03RT4G	NVB6410ANT4G
NTB4302G	NVB6410ANT4G
NTB4302T4G	NVB6410ANT4G
NTB5404NT4G	NVB6410ANT4G
NTB5405NG	NVB6410ANT4G
NTB5405NT4G	NVB6410ANT4G
NTB5411NT4G	NVB6410ANT4G



Part Number	Qualification Vehicle
NTB5412NT4G	NVB6410ANT4G
NTB5426NT4G	NVB6410ANT4G
NTB6410ANG	NVB6410ANT4G
NTB6410ANT4G	NVB6410ANT4G
NTB6411ANG	NVB6410ANT4G
NTB6411ANT4G	NVB6410ANT4G
NTB6412ANG	NVB6410ANT4G
NTB6412ANT4G	NVB6410ANT4G
NTB6413ANG	NVB6410ANT4G
NTB6413ANT4G	NVB6410ANT4G
NTB75N03-6G	NVB6410ANT4G
NTB75N03L09G	NVB6410ANT4G
NTB75N03L09T4G	NVB6410ANT4G
NTB75N03RT4G	NVB6410ANT4G
NTB85N03T4G	NVB6410ANT4G
NTB90N02T4G	NVB6410ANT4G
MBRB1045G	SBRB20100CTT4G
MBRB1045T4G	SBRB20100CTT4G
MBRB1545CTG	SBRB20100CTT4G
MBRB1545CTT4G	SBRB20100CTT4G
MBRB1645T4G	SBRB20100CTT4G
MBRB20100CTG	SBRB20100CTT4G
MBRB20100CTT4G	SBRB20100CTT4G
MBRB20200CTG	SBRB20100CTT4G
MBRB20200CTT4G	SBRB20100CTT4G
MBRB2060CTG	SBRB20100CTT4G
MBRB2060CTT4G	SBRB20100CTT4G
MBRB20H100CTT4G	SBRB20100CTT4G
MBRB2515LG	SBRB20100CTT4G
MBRB2515LT4G	SBRB20100CTT4G
MBRB2515LT4H	SBRB20100CTT4G
MBRB2535CTLG	SBRB20100CTT4G
MBRB2535CTLT4G	SBRB20100CTT4G
MBRB2545CTG	SBRB20100CTT4G
MBRB2545CTT4G	SBRB20100CTT4G
MBRB3030CTG	SBRB20100CTT4G



Part Number	Qualification Vehicle
MBRB3030CTLG	SBRB20100CTT4G
MBRB3030CTT4G	SBRB20100CTT4G
MBRB30H60CTT4G	SBRB20100CTT4G
MBRB40250TG	SBRB20100CTT4G
MBRB40250TT4G	SBRB20100CTT4G
MBRB4030G	SBRB20100CTT4G
MBRB4030T4G	SBRB20100CTT4G
MBRB41H100CTT4G	SBRB20100CTT4G
MBRB60H100CTT4G	SBRB20100CTT4G
MBRB8H100T4G	SBRB20100CTT4G
MURB1620CTG	NRVUB1660CTT4G
MURB1620CTRG	NRVUB1660CTT4G
MURB1620CTRT4G	NRVUB1660CTT4G
MURB1620CTT4G	NRVUB1660CTT4G
MURB1660CTG	NRVUB1660CTT4G
MURB1660CTT4G	NRVUB1660CTT4G
MURHB840CTG	NRVUB1660CTT4G
MURHB840CTT4G	NRVUB1660CTT4G
MURHB860CTT4G	NRVUB1660CTT4G
NTSB20100CTG	NTSB40120CTT4G
NTSB20100CTT4G	NTSB40120CTT4G
NTSB20120CTG	NTSB40120CTT4G
NTSB20120CTT4G	NTSB40120CTT4G
NTSB20U100CTG	NTSB40120CTT4G
NTSB20U100CTT4G	NTSB40120CTT4G
NTSB30100CTG	NTSB40120CTT4G
NTSB30100CTT4G	NTSB40120CTT4G
NTSB30120CTG	NTSB40120CTT4G
NTSB30120CTT4G	NTSB40120CTT4G
NTSB30U100CTG	NTSB40120CTT4G
NTSB30U100CTT4G	NTSB40120CTT4G
NTSB40100CTG	NTSB40120CTT4G
NTSB40100CTT4G	NTSB40120CTT4G
NTSB40120CTG	NTSB40120CTT4G
NTSB40120CTT4G	NTSB40120CTT4G
NTSB40200CTG	NTSB40120CTT4G
NTSB40200CTT4G	NTSB40120CTT4G



Part Number	Qualification Vehicle
NTSB60100CTG	NTSB40120CTT4G
NTSB60100CTT4G	NTSB40120CTT4G
MJB41CG	NJVMJB41CT4G
MJB44H11T4G	NJVMJB41CT4G
MJB45H11T4G	NJVMJB45H11T4G
BUB323ZT4G	NJVMJB41CT4G
MJB45H11G	NJVMJB45H11T4G
MJB41CT4G	NJVMJB41CT4G
MJB42CT4G	NJVMJB45H11T4G
MJB44H11G	NJVMJB41CT4G
BUB323ZG	NJVMJB41CT4G
MJB5742T4G	NJVMJB41CT4G

Japanese translation of the notification starts here.
通知の日本語訳はここから始まります。

Note: The Japanese version is for reference only. In case of any differences between the English and Japanese version, the English version shall control.

注：日本語版は参照用です。英語版と日本語版の違いがある場合は、英語版が優先されます。



最終製品/プロセス変更通知

文書番号:FPCN22416X

発行日: 2 October 2018

変更の件名:	オン・セミコンダクター スレンバン(SBN) (マレーシア)における D2PAK パッケージのモールドコンパウンド G700HF の認定							
初回出荷予定日:	9 January 2019							
連絡先情報:	現地のオン・セミコンダクター営業所または Ahmad Faris <AhmadFaris.Dzulkipli@onsemi.com>にお問い合わせください。							
サンプル:	現地のオン・セミコンダクター営業所または PCN.samples@onsemi.com にお問い合わせください。 サンプルは、今回の変更の初回通知、初回 PCN、または最終 PCN の日付から 30 日以内に要求してください。							
その他の信頼性データ:	現地のオン・セミコンダクター営業所または Chean Ching Sim <ffxg4t@onsemi.com>にお問い合わせください。							
通知の種類:	これは、お客様宛の最終製品/プロセス変更通知(FPCN)です。FPCNは、変更実施の90日前に発行されます。 オン・セミコンダクターは、この通知の送付から30日以内に書面による問い合わせが行われたい限り、この変更が承諾されたものとみなします。お問い合わせは、 PCN.Support@onsemi.com をお願いします。							
変更部品の識別:	影響を受ける部品は日付コード WW48' 18 以降となります。							
変更カテゴリ:	<input type="checkbox"/> ウェハファブの変更 <input checked="" type="checkbox"/> アセンブリの変更 <input type="checkbox"/> 試験の変更 <input type="checkbox"/> その他 _____							
変更サブカテゴリ:	<input type="checkbox"/> 製造拠点の追加 <input checked="" type="checkbox"/> 材料の変更 <input type="checkbox"/> データシート/製品資料の変更 <input type="checkbox"/> 製造拠点の移転 <input type="checkbox"/> 製品仕様の変更 <input type="checkbox"/> 出荷/パッケージング/表記 <input type="checkbox"/> 製造プロセスの変更 <input type="checkbox"/> その他: _____							
影響を受ける拠点:	オン・セミコンダクター拠点: オン スレンバン(マレーシア)	外部ファウンドリまたは下請け業者拠点: なし						
説明および目的:	<p>これは、下記D2PAKパッケージ製品のモールドコンパウンドを住友製GE8000CH4ESからG700HFへ変更することをお客様に通知するものです。</p> <table border="1"> <thead> <tr> <th></th> <th>変更前の表記</th> <th>変更後の表記</th> </tr> </thead> <tbody> <tr> <td>モールドコンパウンド</td> <td>GE8000CH4ES</td> <td>G700HF</td> </tr> </tbody> </table> <p>この変更は、製品パッケージの堅牢性を向上させるためのものです。今回の変更に伴う製品捺印の変更はありません。</p>			変更前の表記	変更後の表記	モールドコンパウンド	GE8000CH4ES	G700HF
	変更前の表記	変更後の表記						
モールドコンパウンド	GE8000CH4ES	G700HF						



信頼性データの要約:

QV 素子名: NJVMJB41CT4G(BJT)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

QV 素子名: NJVMJB45H11T4G(BJT)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15



QV 素子名: NRVUB1660CTT4G (超高速整流器)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

QV 素子名: SBRB20100CTT4G (ショットキー整流器)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 90 °C, bias = 100% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15



QV 素子名: NVB6410ANT4G (MOSFET)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 175 °C, bias = 100% of rated V	1008 hrs	0/77
HTGB	JESD22-A108	Ta = 175°C, 100% max rated Vgss	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum 100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

QV 素子名: MVB50P03HDLT4G (MOSFET)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 150 °C, bias = 100% of rated V	1008 hrs	0/231
HTGB	JESD22-A108	Ta = 150°C, 100% max rated Vgss	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/231
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/231
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/231
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum100V	1008 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15



QV 素子名: NTSB40120CTT4G (ショットキー整流器)

パッケージ: D2PAK

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	Ta = 80 °C, bias = 80% of rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 3.5min	8572 cyc	0/77
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/77
H3TRB	JESD22-A101	85°C, 85% RH, bias = 80% of rated V or up to maximum100V	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 245 °C		0/308
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15

電気特性の要約:

電気特性への影響はありません。

影響を受ける部品の一覧:

部品番号	認証車両
MTB2P50ET4G	MVB50P03HDLT4G
MTB30P06VT4G	MVB50P03HDLT4G
MTB50P03HDL	MVB50P03HDLT4G
MTB50P03HDLG	MVB50P03HDLT4G
MTB50P03HDLT4	MVB50P03HDLT4G
MTB50P03HDLT4G	MVB50P03HDLT4G
NTB23N03RG	NVB6410ANT4G
NTB23N03RT4G	NVB6410ANT4G
NTB4302G	NVB6410ANT4G
NTB4302T4G	NVB6410ANT4G
NTB5404NT4G	NVB6410ANT4G
NTB5405NG	NVB6410ANT4G
NTB5405NT4G	NVB6410ANT4G
NTB5411NT4G	NVB6410ANT4G



Part Number	Qualification Vehicle
NTB5412NT4G	NVB6410ANT4G
NTB5426NT4G	NVB6410ANT4G
NTB6410ANG	NVB6410ANT4G
NTB6410ANT4G	NVB6410ANT4G
NTB6411ANG	NVB6410ANT4G
NTB6411ANT4G	NVB6410ANT4G
NTB6412ANG	NVB6410ANT4G
NTB6412ANT4G	NVB6410ANT4G
NTB6413ANG	NVB6410ANT4G
NTB6413ANT4G	NVB6410ANT4G
NTB75N03-6G	NVB6410ANT4G
NTB75N03L09G	NVB6410ANT4G
NTB75N03L09T4G	NVB6410ANT4G
NTB75N03RT4G	NVB6410ANT4G
NTB85N03T4G	NVB6410ANT4G
NTB90N02T4G	NVB6410ANT4G
MBRB1045G	SBRB20100CTT4G
MBRB1045T4G	SBRB20100CTT4G
MBRB1545CTG	SBRB20100CTT4G
MBRB1545CTT4G	SBRB20100CTT4G
MBRB1645T4G	SBRB20100CTT4G
MBRB20100CTG	SBRB20100CTT4G
MBRB20100CTT4G	SBRB20100CTT4G
MBRB20200CTG	SBRB20100CTT4G
MBRB20200CTT4G	SBRB20100CTT4G
MBRB2060CTG	SBRB20100CTT4G
MBRB2060CTT4G	SBRB20100CTT4G
MBRB20H100CTT4G	SBRB20100CTT4G
MBRB2515LG	SBRB20100CTT4G
MBRB2515LT4G	SBRB20100CTT4G
MBRB2515LT4H	SBRB20100CTT4G
MBRB2535CTLG	SBRB20100CTT4G
MBRB2535CTLT4G	SBRB20100CTT4G
MBRB2545CTG	SBRB20100CTT4G
MBRB2545CTT4G	SBRB20100CTT4G
MBRB3030CTG	SBRB20100CTT4G



部品番号	認証車両
MBRB3030CTLG	SBRB20100CTT4G
MBRB3030CTT4G	SBRB20100CTT4G
MBRB30H60CTT4G	SBRB20100CTT4G
MBRB40250TG	SBRB20100CTT4G
MBRB40250TT4G	SBRB20100CTT4G
MBRB4030G	SBRB20100CTT4G
MBRB4030T4G	SBRB20100CTT4G
MBRB41H100CTT4G	SBRB20100CTT4G
MBRB60H100CTT4G	SBRB20100CTT4G
MBRB8H100T4G	SBRB20100CTT4G
MURB1620CTG	NRVUB1660CTT4G
MURB1620CTRG	NRVUB1660CTT4G
MURB1620CTRT4G	NRVUB1660CTT4G
MURB1620CTT4G	NRVUB1660CTT4G
MURB1660CTG	NRVUB1660CTT4G
MURB1660CTT4G	NRVUB1660CTT4G
MURHB840CTG	NRVUB1660CTT4G
MURHB840CTT4G	NRVUB1660CTT4G
MURHB860CTT4G	NRVUB1660CTT4G
NTSB20100CTG	NTSB40120CTT4G
NTSB20100CTT4G	NTSB40120CTT4G
NTSB20120CTG	NTSB40120CTT4G
NTSB20120CTT4G	NTSB40120CTT4G
NTSB20U100CTG	NTSB40120CTT4G
NTSB20U100CTT4G	NTSB40120CTT4G
NTSB30100CTG	NTSB40120CTT4G
NTSB30100CTT4G	NTSB40120CTT4G
NTSB30120CTG	NTSB40120CTT4G
NTSB30120CTT4G	NTSB40120CTT4G
NTSB30U100CTG	NTSB40120CTT4G
NTSB30U100CTT4G	NTSB40120CTT4G
NTSB40100CTG	NTSB40120CTT4G
NTSB40100CTT4G	NTSB40120CTT4G
NTSB40120CTG	NTSB40120CTT4G
NTSB40120CTT4G	NTSB40120CTT4G
NTSB40200CTG	NTSB40120CTT4G
NTSB40200CTT4G	NTSB40120CTT4G



最終製品/プロセス変更通知

文書番号:FPCN22416X

発行日: 2 October 2018

Part Number	Qualification Vehicle
NTSB60100CTG	NTSB40120CTT4G
NTSB60100CTT4G	NTSB40120CTT4G
MJB41CG	NJVMJB41CT4G
MJB44H11T4G	NJVMJB41CT4G
MJB45H11T4G	NJVMJB45H11T4G
BUB323ZT4G	NJVMJB41CT4G
MJB45H11G	NJVMJB45H11T4G
MJB41CT4G	NJVMJB41CT4G
MJB42CT4G	NJVMJB45H11T4G
MJB44H11G	NJVMJB41CT4G
BUB323ZG	NJVMJB41CT4G
MJB5742T4G	NJVMJB41CT4G



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
BUB323ZG		NJVMJB41CT4G
BUB323ZT4G		NJVMJB41CT4G
MBRB1045G		SBRB20100CTT4G
MBRB1045T4G		SBRB20100CTT4G
MBRB1545CTG		SBRB20100CTT4G
MBRB1545CTT4G		SBRB20100CTT4G
MBRB1645T4G		SBRB20100CTT4G
MBRB20100CTG		SBRB20100CTT4G
MBRB20100CTT4G		SBRB20100CTT4G
MBRB20200CTG		SBRB20100CTT4G
MBRB20200CTT4G		SBRB20100CTT4G
MBRB2060CTG		SBRB20100CTT4G
MBRB2060CTT4G		SBRB20100CTT4G
MBRB20H100CTT4G		SBRB20100CTT4G
MBRB2515LG		SBRB20100CTT4G
MBRB2515LT4G		SBRB20100CTT4G
MBRB2535CTLG		SBRB20100CTT4G
MBRB2535CTLT4G		SBRB20100CTT4G
MBRB2545CTG		SBRB20100CTT4G
MBRB2545CTT4G		SBRB20100CTT4G
MBRB3030CTG		SBRB20100CTT4G
MBRB3030CTLG		SBRB20100CTT4G
MBRB3030CTT4G		SBRB20100CTT4G
MBRB30H60CTT4G		SBRB20100CTT4G
MBRB40250TG		SBRB20100CTT4G
MBRB4030G		SBRB20100CTT4G
MBRB4030T4G		SBRB20100CTT4G
MBRB41H100CTT4G		SBRB20100CTT4G
MBRB60H100CTT4G		SBRB20100CTT4G
MBRB8H100T4G		SBRB20100CTT4G
MJB41CG		NJVMJB41CT4G
MJB41CT4G		NJVMJB41CT4G
MJB42CT4G		NJVMJB45H11T4G
MJB44H11G		NJVMJB41CT4G
MJB44H11T4G		NJVMJB41CT4G
MJB45H11G		NJVMJB45H11T4G
MJB45H11T4G		NJVMJB45H11T4G
MJB5742T4G		NJVMJB41CT4G
MTB50P03HDLT4G		MVB50P03HDLT4G
MURB1620CTG		NRVUB1660CTT4G
MURB1620CTRG		NRVUB1660CTT4G
MURB1620CTRT4G		NRVUB1660CTT4G
MURB1620CTT4G		NRVUB1660CTT4G
MURB1660CTG		NRVUB1660CTT4G
MURB1660CTT4G		NRVUB1660CTT4G
MURHB840CTG		NRVUB1660CTT4G
MURHB840CTT4G		NRVUB1660CTT4G
MURHB860CTT4G		NRVUB1660CTT4G
NTB5405NT4G		NVB6410ANT4G
NTB6410ANT4G		NVB6410ANT4G
NTB6413ANT4G		NVB6410ANT4G
NTSB20100CTG		NTSB40120CTT4G
NTSB20100CTT4G		NTSB40120CTT4G
NTSB20120CTT4G		NTSB40120CTT4G
NTSB30100CTG		NTSB40120CTT4G
NTSB30100CTT4G		NTSB40120CTT4G
NTSB30120CTG		NTSB40120CTT4G
NTSB30120CTT4G		NTSB40120CTT4G
NTSB30U100CTG		NTSB40120CTT4G



NTSB30U100CTT4G		NTSB40120CTT4G
NTSB40100CTG		NTSB40120CTT4G
NTSB40100CTT4G		NTSB40120CTT4G
NTSB40200CTG		NTSB40120CTT4G
NTSB40200CTT4G		NTSB40120CTT4G
NTSB60100CTG		NTSB40120CTT4G