ON Semiconductor®

Final Product/Process Change Notification

Document #:FPCN22989X
Issue Date:07 May 2020

Title of Change:	Dual source qualification for TO-220 Jedec from ON Semiconductor Suzhou, China to Nantong Huada Microelectronics, China.
Proposed First Ship date:	14 Aug 2020 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Lisa.Wang@onsemi.com
PCN Samples Contact:	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. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Lake.Wang@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
Marking of Parts/ Traceability of Change:	Product marked with "AF" as the assembly location will be from Huada
Change Category:	Assembly Change, Test Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:

ON Semiconductor Sites	**External Foundry/Subcon Sites**
None	Nantong Huada Microelectronics, China

Description and Purpose:

This notification announces to customers of ON Semiconductor's plan to dual source TO-220 Jedec parts from ON Semiconductor Suzhou, China to Nantong Huada Microelectronics, China. Refer to List of Affected Parts below. The purpose is capacity expansion.

Qualification tests are designed to show that the reliability of the transferred devices will continue to meet or exceed ON Semiconductor standards.

	Before Change Description	**After Change Description**	
Assembly and Test Site	ON Semiconductor Suzhou	ON Semiconductor Suzhou	Nantong Huada Microelectronics
LeadFrame	TO-220 Leadframe with KFC/ PMC-90 material	TO-220 Leadframe with KFC/ PMC-90 material	TO-220 Leadframe with KFC material
Mold Compound	SI7200DX2,SG8200DL, CEL8240HF10FC (SI7200DX2,SG8200DL will be replaced by KTMC-1050GFB after ON Semiconductor Suzhou related PCN approved)	SI7200DX2,SG8200DL, CEL8240HF10FC (SI7200DX2,SG8200DL will be replaced by KTMC-1050GFB after ON Semiconductor Suzhou related PCN approved)	KTMC-1050GFB, CEL8240HF10FC
Product marking change	1ST Line Plant code "1" for ON Semiconductor Suzhou	1st Line Plant code "1" for ON Semiconductor Suzhou	1st Line Plant code "AF" for Nantong Huada Microelectronics

Reliability Data Summary:

QV DEVICE NAME: FQP7N80C
RMS: U57818
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

QV DEVICE NAME: FCP125N65S3
RMS: U57821
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 100% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

QV DEVICE NAME: FCP290N80
RMS: U57828
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

QV DEVICE NAME: FCP190N65F
RMS: U62069
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

QV DEVICE NAME: FDP047N08
RMS: U57829
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

QV DEVICE NAME: FDP12N60NZ
RMS: U57831
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

QV DEVICE NAME: FDP2710
RMS: U57832
PACKAGE: TO220

Test	Specification	Test Conditions	Interval	Results
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

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
FQP5N60C	FQP7N80C
FQP7N80C	FQP7N80C
FCP125N65S3R0	FCP125N65S3
FCP165N65S3R0	FCP125N65S3
FCP290N80	FCP400N80Z
FCP850N80Z	FCP400N80Z
FCP11N60	FCP190N65F
FCP13N60N	FCP190N65F
FCP170N60	FCP190N65F
FCP21N60N	FCP190N65F
FCP260N60E	FCP190N65F
FCP380N60E	FCP190N65F
FCP9N60N	FCP190N65F
FDP047N08	FDP047N08
FDP120N10	FDP047N08
NDP7060	FDP047N08

FDP10N60NZ	FDP12N60NZ
FDP12N50	FDP12N60NZ
FDP19N40	FDP12N60NZ
FDP5N60NZ	FDP12N60NZ
FDP7N60NZ	FDP12N60NZ
FDP8N50NZ	FDP12N60NZ
BUZ11-NR4941	FDP2710
RFP70N06	FDP2710
FQP6N80C	FQP7N80C
FQP8N60C	FQP7N80C
FQP9N50C	FQP7N80C
FCP125N65S3	FCP125N65S3
FCP165N65S3	FCP125N65S3
FCP190N65S3	FCP125N65S3
FCP190N65S3R0	FCP125N65S3
FCP260N65S3	FCP125N65S3
FCP360N65S3R0	FCP125N65S3
FCP600N65S3R0	FCP125N65S3
FCP400N80Z	FCP400N80Z
FCP650N80Z	FCP400N80Z
FCP11N60F	FCP190N65F
FCP11N60N	FCP190N65F
FCP165N60E	FCP190N65F
FCP16N60	FCP190N65F
FCP16N60N	FCP190N65F
FCP190N60	FCP190N65F
FCP190N60E	FCP190N65F
FCP190N65F	FCP190N65F
FCP22N60N	FCP190N65F
FCP4N60	FCP190N65F
FCP7N60	FCP190N65F
FDP100N10	FDP047N08
FDP150N10	FDP047N08
FDP8447L	FDP047N08

MTP3055VL	FDP047N08
NDP6060	FDP047N08
NDP6060L	FDP047N08
FDP12N50NZ	FDP12N60NZ
FDP12N60NZ	FDP12N60NZ
FDP15N40	FDP12N60NZ
FDP33N25	FDP12N60NZ
FDP39N20	FDP12N60NZ
FDP5N50NZ	FDP12N60NZ
FDP65N06	FDP12N60NZ
FDP75N08A	FDP12N60NZ
FQP11N40C	FQP7N80C
FQP13N06L	FQP7N80C
FQP13N10L	FQP7N80C
FQP13N50C	FQP7N80C
FQP19N20C	FQP7N80C
HUF75332P3	FDP2710
HUF75339P3	FDP2710
HUF75344P3	FDP2710
HUF75345P3	FDP2710
HUF75542P3	FDP2710
HUF75545P3	FDP2710
HUF75639P3	FDP2710
HUF75645P3	FDP2710
HUF76423P3	FDP2710
RFP12N10L	FDP2710
RFP50N06	FDP2710
FQP24N08	FQP7N80C
FQP27P06	FQP7N80C
FQP2N60C	FQP7N80C
FQP2N80	FQP7N80C
FQP33N10	FQP7N80C
FQP3N60C	FQP7N80C
FQP45N15V2	FQP7N80C

FQP50N06	FQP7N80C
FDP038AN06A0	FDP2710
FDP047AN08A0	FDP2710
FDP047AN08A0-G	FDP2710
FDP070AN06A0	FDP2710
FDP16AN08A0	FDP2710
FDP2552	FDP2710
FDP2572	FDP2710
FDP2614	FDP2710
FDP2710	FDP2710
FDP3632	FDP2710
FDP3651U	FDP2710
FDP3652	FDP2710
FDP3672	FDP2710
FDP3682	FDP2710
FDP42AN15A0	FDP2710
FDP55N06	FDP2710
FDP80N06	FDP2710
HUF75321P3	FDP2710

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.

ON Semiconductor®

最終製品 / プロセス変更通知

文書番号#：FPCN22989X
発行日:07 May 2020

変更件名:	TO-220 Jedec 品のオン・セミコンダクター蘇州 (中国) と Nantong Huada Microelectronics (中国)のデュアルソース認定
初回出荷予定日:	14 Aug 2020 またはお客様からの承認が得られた場合はそれ以前.
連絡先情報:	現地のオン・セミコンダクター営業所または Lisa.Wang@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、この変更の初回通知、初回 PCN の日付から 30 日以内に要求してください。 サンプル納入時は、依頼日、数量、特別梱包材/ラベル条件によって異なります。
追加の信頼性データ:	お客さまの地域のオン・セミコンダクター営業所または Lake.Wang@onsemi.com にお問い合わせください。
通知種別:	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ない限り、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> 宛てにお願いします。
変更部品の識別:	組立拠点として「AF」がマークされた製品は Huada からのものです

変更カテゴリ: 組立の変更,検査験の変更

変更サブカテゴリ: 製造拠点の追加

影響を受ける拠点:

オン・セミコンダクター拠点:	**外部製造工場 / 下請業者拠点**:
無し	Nantong Huada Microelectronics, China

説明および目的:

この通知は、TO-220 Jedec 製品を、オン・セミコンダクター蘇州 (中国) から Nantong Huada Microelectronics (中国) とのデュアルソースにする計画をお客様に案内するものです。以下の影響を受ける製品の一覧を参照願います。目的は生産能力の拡大です。

認定試験は、移管された製品の信頼性が引き続きオン・セミコンダクターの基準以上となることを証明するように設計されています。

	変更前の表記	変更後の表記	
組立と検査拠点	ON Semiconductor Suzhou	ON Semiconductor Suzhou	Nantong Huada Microelectronics
リードフレーム	TO-220 Leadframe with KFC/ PMC-90 material	TO-220 Leadframe with KFC/ PMC-90 material	TO-220 Leadframe with KFC material
モールド・コンパウンド	SI7200DX2,SG8200DL, CEL8240HF10FC (SI7200DX2,SG8200DL will be replaced by KTMC-1050GFB after ON Semiconductor Suzhou related PCN approved)	SI7200DX2,SG8200DL, CEL8240HF10FC (SI7200DX2,SG8200DL will be replaced by KTMC-1050GFB after ON Semiconductor Suzhou related PCN approved)	KTMC-1050GFB, CEL8240HF10FC
製品マーキング変更	1ST Line Plant code "1" for ON Semiconductor Suzhou	1st Line Plant code "1" for ON Semiconductor Suzhou	1st Line Plant code "AF" for Nantong Huada Microelectronics

信頼性データの要約:

デバイス名: FQP7N80C
RMS: U57818
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% rated	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

デバイス名: FCP125N65S3
RMS: U57821
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 100% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

デバイス名: FCP290N80
RMS: U57828
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

デバイス名: FCP190N65F
RMS: U62069
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

デバイス名: FDP047N08
RMS: U57829
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 175°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 175°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

デバイス名: FDP12N60NZ
RMS: U57831
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

デバイス名: FDP2710
RMS: U57832
パッケージ: TO220

テスト	仕様	条件	間隔	結果
HTRB	JESD22-A108	TA = 150°C for 1008 hours, 80% max rated voltage	1008 hrs	0/77
HTGB	JESD22-A108	TA = 150°C temperature for 1008 hrs, 100% rated Vgs	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 3.5 min	8572cyc	0/77
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cyc	0/77
H3TRB	JESD22 A101	Temp= +85°C, RH=85% , bias=80% of rated BV or max 100Vdc	1008 hrs	0/77
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
RSH	JESD22-B106	Ta=265°C 10 sec dwell	10s	0/30
SD	J STD 002	Ta=245C 5 sec dwell	5s	0/15
TR		Thermal Resistance		0/10

電気的特性の要約:

電気的特性への影響はありません。

影響を受ける部品の一覧:

注: 部品一覧には標準部品番号 (既製品) のみが記載されています。本 PCN の影響を受けるカスタム部品番号は、PCN メールで提供される顧客個別の付録、または PCN カスタマイズポータルに記載されています。

部品番号	認定試験用ビークル
FQP5N60C	FQP7N80C
FQP7N80C	FQP7N80C
FCP125N65S3R0	FCP125N65S3
FCP165N65S3R0	FCP125N65S3
FCP290N80	FCP400N80Z
FCP850N80Z	FCP400N80Z
FCP11N60	FCP190N65F
FCP13N60N	FCP190N65F
FCP170N60	FCP190N65F
FCP21N60N	FCP190N65F
FCP260N60E	FCP190N65F
FCP380N60E	FCP190N65F
FCP9N60N	FCP190N65F
FDP047N08	FDP047N08
FDP120N10	FDP047N08
NDP7060	FDP047N08

FDP10N60NZ	FDP12N60NZ
FDP12N50	FDP12N60NZ
FDP19N40	FDP12N60NZ
FDP5N60NZ	FDP12N60NZ
FDP7N60NZ	FDP12N60NZ
FDP8N50NZ	FDP12N60NZ
BUZ11-NR4941	FDP2710
RFP70N06	FDP2710
FQP6N80C	FQP7N80C
FQP8N60C	FQP7N80C
FQP9N50C	FQP7N80C
FCP125N65S3	FCP125N65S3
FCP165N65S3	FCP125N65S3
FCP190N65S3	FCP125N65S3
FCP190N65S3R0	FCP125N65S3
FCP260N65S3	FCP125N65S3
FCP360N65S3R0	FCP125N65S3
FCP600N65S3R0	FCP125N65S3
FCP400N80Z	FCP400N80Z
FCP650N80Z	FCP400N80Z
FCP11N60F	FCP190N65F
FCP11N60N	FCP190N65F
FCP165N60E	FCP190N65F
FCP16N60	FCP190N65F
FCP16N60N	FCP190N65F
FCP190N60	FCP190N65F
FCP190N60E	FCP190N65F
FCP190N65F	FCP190N65F
FCP22N60N	FCP190N65F
FCP4N60	FCP190N65F
FCP7N60	FCP190N65F
FDP100N10	FDP047N08
FDP150N10	FDP047N08
FDP8447L	FDP047N08
MTP3055VL	FDP047N08
NDP6060	FDP047N08

NDP6060L	FDP047N08
FDP12N50NZ	FDP12N60NZ
FDP12N60NZ	FDP12N60NZ
FDP15N40	FDP12N60NZ
FDP33N25	FDP12N60NZ
FDP39N20	FDP12N60NZ
FDP5N50NZ	FDP12N60NZ
FDP65N06	FDP12N60NZ
FDP75N08A	FDP12N60NZ
FQP11N40C	FQP7N80C
FQP13N06L	FQP7N80C
FQP13N10L	FQP7N80C
FQP13N50C	FQP7N80C
FQP19N20C	FQP7N80C
HUF75332P3	FDP2710
HUF75339P3	FDP2710
HUF75344P3	FDP2710
HUF75345P3	FDP2710
HUF75542P3	FDP2710
HUF75545P3	FDP2710
HUF75639P3	FDP2710
HUF75645P3	FDP2710
HUF76423P3	FDP2710
RFP12N10L	FDP2710
RFP50N06	FDP2710
FQP24N08	FQP7N80C
FQP27P06	FQP7N80C
FQP2N60C	FQP7N80C
FQP2N80	FQP7N80C
FQP33N10	FQP7N80C
FQP3N60C	FQP7N80C
FQP45N15V2	FQP7N80C
FQP50N06	FQP7N80C
FDP038AN06A0	FDP2710
FDP047AN08A0	FDP2710
FDP047AN08A0-G	FDP2710

FDP070AN06A0	FDP2710
FDP16AN08A0	FDP2710
FDP2552	FDP2710
FDP2572	FDP2710
FDP2614	FDP2710
FDP2710	FDP2710
FDP3632	FDP2710
FDP3651U	FDP2710
FDP3652	FDP2710
FDP3672	FDP2710
FDP3682	FDP2710
FDP42AN15A0	FDP2710
FDP55N06	FDP2710
FDP80N06	FDP2710
HUF75321P3	FDP2710