


**Qual Vehicle:
NL17SZ32DFT2G**

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 150°C, 100% max rated V	1008 hrs	0/234
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/234
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/702
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/234
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/234
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/234
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

**Qual Vehicle:
NL7SZ57DFT2G**

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/234
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/702
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/234
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/234
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/234
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

**Qual Vehicle:
NLSV1T34DFT2G**

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 150°C, 100% max rated V	1008 hrs	0/234
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/234
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/702
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/234
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/234
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/234
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90


Qual Vehicle:
NTJS3157NT1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/234
HTGB	JESD22-A108	Ta= 150°C, 100% VGSS	1008 hrs	0/234
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/234
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/936
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/234
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/234
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/234
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/234
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Qual Vehicle:
MMBZ5270BLT1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/1008
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/252
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Qual Vehicle:
MMBT6520LT1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/1008
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/252
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90



Qual Vehicle:

BAT54T1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/1008
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/252
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Qual Vehicle:

NST847BF3T5G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/1008
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/252
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Qual Vehicle:

NSR0170P2T5G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/1008
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/252
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90



Qual Vehicle:

NTK3139PT1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/252
HTGB	JESD22-A108	Ta= 150°C, 100% VGSS	1008 hrs	0/252
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/1008
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/252
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Qual Vehicle:

NL17SG04P5T5G

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 150°C, 100% max rated V	1008 hrs	0/234
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/234
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/702
UHAST	JESD22-A118	Temp = +130°C; RH = 85%, psig ~28	96 hrs	0/234
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/234
H3TRB	JESD22-A101	Temp = +85°C; RH = 85%, 80% V bias	96 hrs	0/234
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Qual Vehicle:

SBC847BDW1T1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 80% max rated V	1008 hrs	0/234
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/234
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, HAST, IOL	0/936
AC	JESD22-A102	121°C, 100% RH, ~15psig, unbiased	96 hrs	0/234
TC	JESD22-A104	Ta= - 65°C to +150°C	1000 cyc	0/234
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/234
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/234
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

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Electrical Characteristic Summary:

Datasheet specifications and product electrical performance remain unchanged. Three temperature characterization of each qualification vehicle device has been performed and it meets datasheet specification.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
NLASTV4599DFT2G	NL17SZ32DFT2G
NLV7SZ58DFT2G	NL17SZ32DFT2G
NLV7SZ97DFT2G	NL17SZ32DFT2G
NLV7SZ98DFT2G	NL17SZ32DFT2G
NLV17SZ14DFT2G	NL17SZ32DFT2G
NLV17SZ17DFT2G	NL17SZ32DFT2G
NLV17SZU04DFT2G	NL17SZ32DFT2G
NLV7SZ19DFT2G	NL17SZ32DFT2G
NLV7SZ57DFT2G	NL17SZ32DFT2G
NLVVHC1G03DFT1G	NL17SZ32DFT2G
NLVVHC1G132DFT1G	NL17SZ32DFT2G
NLVVHC1G132DFT2G	NL17SZ32DFT2G
NLVVHC1G135DFT2G	NL17SZ32DFT2G
STGD1100LT1G	NTJS3157NT1G
STJD4001NT1G	NTJS3157NT1G