

Page 1 of 4



Reliability Data Summary:

PACKAGE : SOT563

QV DEVICE NAME:

NST3906DXV6T1G Cu wire

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150C, 80% Rated Voltage	1008 hrs	0/156
HAST+PC	JESD22-A110	Ta=130 C RH=85%, ~18.8 psig, bias	96 hrs	0/156
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/60
SD	JSTD002	Ta=245C, 10 sec		0/30
DPA		per AEC Q101 post HAST 96 hrs		0/6

QV DEVICE NAME:

NST3906DXV6T1G Cu wire

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150C, 80% Rated Voltage	1008 hrs	0/78
HAST+PC	JESD22-A110	Ta=130 C RH=85%, ~18.8 psig, bias	96 hrs	0/78
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
DPA		per AEC Q101 post HAST 96 hrs		0/4

QV DEVICE NAME:

NSV12100XV6T1G Cu wire

Test	Specification	Condition	Interval	Results
HAST+PC	JESD22-A110	Ta=130 C RH=85%, ~18.8 psig, bias	96 hrs	0/93
HTRB	JESD22-A108	Ta=150C, 80% Rated Voltage	1008 hrs	0/78
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
DPA		per AEC Q101 post HAST 96 hrs		0/4

QV DEVICE NAME:

NTZD3155CT1H Cu wire

Test	Specification	Condition	Interval	Results
Autoclave+PC	J-STD-020 JESD-A113	Ta=121C, RH=100%, ~15psig	96 hrs	0/84
HTRB	JESD22-A108	Ta=150C, 80% Rated Voltage	1008 hrs	0/84
HTGB	JESD22-A108	Ta=150C, 80% Rated Voltage	1008 hrs	0/84
HAST+PC	JESD22-A110	Ta=130 C RH=85%, ~18.8 psig, bias	96 hrs	0/89
HTSL	JESD22-A103	Ta=150C	1512 hrs	0/89
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=25C, delta TJ = 100C Ton=Toff = 2min	15000 cyc	0/84
TC	JESD22-A104	Ta= -65/150C	2000 cyc	0/84
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
SD	JSTD002	Ta=245C, 10 sec		0/15
DPA		per AEC Q101 post TC 1k cyc		0/2
DPA		per AEC Q101 post HAST 96hrs		0/2



QV DEVICE NAME:

NUF2230XV6T1G Cu wire

Test	Specification	Condition	Interval	Results
Autoclave+PC	J-STD-020 JESD-A113	Ta=121C, RH=100%, ~15psig	96 hrs	0/84
HTRB	JESD22-A108	Ta=150C,80% Rated Voltage	1008 hrs	0/84
HTSL	JESD22-A103	Ta=150C	1512 hrs	0/89
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=25C, delta TJ = 100C Ton=Toff = 2min	15000 cyc	0/84
TC	JESD22-A104	Ta= -55/150C	2000 cyc	0/84
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
SD	JSTD002	Ta=245C, 10 sec		0/15
DPA		per AEC Q101 post TC 1k cyc		0/2
DPA		per AEC Q101 post HAST 96hrs		0/2

QV DEVICE NAME:

NUP5120X6T1G Cu wire

Test	Specification	Condition	Interval	Results
Autoclave+PC	J-STD-020 JESD-A113	Ta=121C, RH=100%, ~15psig	96 hrs	0/84
HAST+PC	JESD22-A110	Ta=130 C RH=85%, ~18.8 psig, bias	96 hrs	0/89
HTRB	JESD22-A108	Ta=150C,80% Rated Voltage	1008 hrs	0/84
HTSL	JESD22-A103	Ta=150C	1512 hrs	0/89
TC	JESD22-A104	Ta= -65/150C	2000 cyc	0/84
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
SD	JSTD002	Ta=245C, 10 sec		0/15
DPA		per AEC Q101 post TC 1k cyc		0/2
DPA		per AEC Q101 post HAST 96hrs		0/2

QV DEVICE NAME:

NTZS3151PT1G Cu wire

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150C,80% Rated Voltage	1008 hrs	0/84
HTGB	JESD22-A108	Ta=150C,80% Rated Voltage	1008 hrs	0/84
Autoclave+PC	J-STD-020 JESD-A113	Ta=121C, RH=100%, ~15psig	96 hrs	0/84
HAST+PC	JESD22-A110	Ta=130 C RH=85%, ~18.8 psig, bias	96 hrs	0/89
HTSL	JESD22-A103	Ta=150C	1512 hrs	0/89
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=25C, delta TJ = 100C Ton=Toff = 2min	15000 cyc	0/84
TC	JESD22-A104	Ta= -65/150C	2000 cyc	0/84
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
SD	JSTD002	Ta=245C, 10 sec		0/15
DPA		per AEC Q101 post TC 1k cyc		0/2
DPA		per AEC Q101 post HAST 96hrs		0/2

PACKAGE : SOT553

QV DEVICE NAME:

NL17SZ126XV5T2G

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Tj=150C, Vcc=5.5V	1008 hrs	0/84
HTSL	JESD22-A103	Ta=150C	1008 hrs	0/84
TC	JESD22-A104	Ta= -65/150C	1000 cyc	0/84
HAST+PC	JESD22-A110	Ta130C RH=85%, ~18.8 psig, bias	96 hrs	0/84
uHAST+PC	JESD22-A118	Ta130C RH=85%, ~18.8 psig, unbiased	96 hrs	0/84
RSH	JESD22- B106	Ta=260C, 10 sec, elec test		0/30
SD	JSTD002	Ta = 245C, 10 sec		0/15
DPA		per AEC Q101 post TC 500 cyc		0/2
DPA		per AEC Q101 post HAST 96hrs		0/5

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
NL17SZ14XV5T2G	NL17SZ126XV5T2G
NL17SZ17XV5T2G	NL17SZ126XV5T2G
NL17SZU04XV5T2G	NL17SZ126XV5T2G