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Reliability Data Summary:

NRVHP220SFT3G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150°C, 80 % max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta=150°C	1008 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
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
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/90
DPA		Following TC1000 cyc + PC		0/12
DPA		Following HAST 96 hrs + PC		0/12

SMF58AT1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150°C, 80 % max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta=150°C	1008 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
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
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/90
DPA		Following TC1000 cyc + PC		0/12
DPA		Following HAST 96 hrs + PC		0/12



NRVTS260ESFT3G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150°C, 80 % max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta=150°C	1008 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
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
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/90
DPA		Following TC1000 cyc + PC		0/12
DPA		Following HAST 96 hrs + PC		0/12

MBR2H200SFT1G

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=150°C, 80 % max rated V	1008 hrs	0/252
HTSL	JESD22-A103	Ta=150°C	1008 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
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
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C		0/252
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/90
DPA		Following TC1000 cyc + PC		0/12
DPA		Following HAST 96 hrs + PC		0/12

Electrical Characteristic Summary:

Three temperature characterization and ESD performance meet datasheet specification. Detail of Electrical characterization result is available upon request.



List of Affected Standard Parts:

Part Number	Qualification Vehicle
MBR120ESFT1G	MBR2H200SFT1G
MBR120ESFT3	MBR2H200SFT1G
MBR120ESFT3G	MBR2H200SFT1G
MBR120LSFT1G	MBR2H200SFT1G
MBR120LSFT1H	MBR2H200SFT1G
MBR120LSFT3	MBR2H200SFT1G
MBR120LSFT3G	MBR2H200SFT1G
MBR120VLSFT1G	MBR2H200SFT1G
MBR120VLSFT1H	MBR2H200SFT1G
MBR120VLSFT3	MBR2H200SFT1G
MBR120VLSFT3G	MBR2H200SFT1G
MBR130LSFT1G	MBR2H200SFT1G
MBR130LSFT1H	MBR2H200SFT1G
MBR140ESFT1G	MBR2H200SFT1G
MBR140ESFT3G	MBR2H200SFT1G
MBR140SFT1	MBR2H200SFT1G
MBR140SFT1G	MBR2H200SFT1G
MBR140SFT1H	MBR2H200SFT1G
MBR140SFT3	MBR2H200SFT1G
MBR140SFT3G	MBR2H200SFT1G
MBR1H100SFT3G	MBR2H200SFT1G
MBR230LSFT1G	MBR2H200SFT1G
MBR230LSFT1H	MBR2H200SFT1G
MBR2H100SFT3G	MBR2H200SFT1G
MBR2H200SFT1G	MBR2H200SFT1G
MBR2H200SFT3G	MBR2H200SFT1G
NHP120SFT3G	NRVHP220SFT3G
NHP220SF-ST3G	NRVHP220SFT3G
NHP220SFT3G	NRVHP220SFT3G
NTS245SFT1G	NRVTS260ESFT3G
NTS245SFT3G	NRVTS260ESFT3G
NTS260ESFT1G	NRVTS260ESFT3G
NTS260ESFT3G	NRVTS260ESFT3G
NTS260SFT1G	NRVTS260ESFT3G
NTS260SFT3G	NRVTS260ESFT3G



SMF10AT1G	SMF58AT1G
SMF11AT1G	SMF58AT1G
SMF12AT1G	SMF58AT1G
SMF13AT1G	SMF58AT1G
SMF14AT1G	SMF58AT1G
SMF15AT1G	SMF58AT1G
SMF18AT1G	SMF58AT1G
SMF20AT1G	SMF58AT1G
SMF22AT1G	SMF58AT1G
SMF24AT1G	SMF58AT1G
SMF26AT1G	SMF58AT1G
SMF28AT1G	SMF58AT1G
SMF30AT1G	SMF58AT1G
SMF33AT1G	SMF58AT1G
SMF36AT1G	SMF58AT1G
SMF48AT1G	SMF58AT1G
SMF5.0AT1G	SMF58AT1G
SMF58AT1G	SMF58AT1G
SMF6.0AT1G	SMF58AT1G
SMF6.5AT1G	SMF58AT1G
SMF7.0AT1G	SMF58AT1G
SMF7.5AT1G	SMF58AT1G
SMF8.0AT1G	SMF58AT1G
SMF9.0AT1G	SMF58AT1G
1SMF5920BT1G	SMF58AT1G