



Reliability Data Summary:

QV DEVICE NAME:NGTB40N120IHRWG

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/240
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 5min	6000 cyc	0/240
TC	JESD22-A104	Temp = -55°C to +150°C	1000 cyc	0/240
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
H3TRB	JESD22-A101	Temp = 85°C, RH=85%, bias = 100V	1008 hrs	0/240
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90

QV DEVICE NAME: NGTB50N120FL2WG

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/240
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 5min	6000 cyc	0/240
TC	JESD22-A104	Temp = -55°C to +150°C	1000 cyc	0/240
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
H3TRB	JESD22-A101	Temp = 85°C, RH=85%, bias = 100V	1008 hrs	0/240
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90

QV DEVICE NAME:NGTB75N65FL2WG

PACKAGE: TO247

Test	Specification	Condition	Interval	Result
HTSL	JESD22-A103	Ta = 175 °C	1008 hrs	0/240
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton = Toff = 5min	6000 cyc	0/240
TC	JESD22-A104	Temp = -55°C to +150°C	1000 cyc	0/240
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
H3TRB	JESD22-A101	Temp = 85°C, RH=85%, bias = 100V	1008 hrs	0/240
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90

Electrical Characteristic Summary:

Electrical characteristics are not impacted.



List of affected Standard Parts:

Part Number	Qualification Vehicle
NGTB15N120IHRWG	NGTB40N120IHRWG
NGTB15N120IHWG	
NGTB20N120IHRWG	
NGTB20N120IHWG	
NGTB30N120IHRWG	
NGTB40N120IHRWG	
NGTB15N135IHRWG	
NGTB20N135IHRWG	
NGTB30N135IHRWG	
NGTB30N135IHR1WG	
NGTB40N135IHRWG	
NGTB40N65IHRWG	
NGTB15N120FL2WG	
NGTB25N120FL2WG	
NGTB25N120SWG	
NGTB30N120FL2WG	
NGTB30N120L2WG	
NGTB40N120FL2WG	
NGTB40N120SWG	
NGTB50N120FL2WG	



Part Number	Qualification Vehicle
NGTB30N60IHLWG	
NGTB30N65IHL2WG	
NGTB35N60FL2WG	
NGTB35N65FL2WG	
NGTB40N60FL2WG	
NGTB40N60L2WG	
NGTB40N65FL2WG	
NGTB40N65IHL2WG	
NGTB45N60S1WG	
NGTB45N60S2WG	
NGTB45N60SWG	NGTB75N65FL2WG
NGTB50N60FL2WG	
NGTB50N60L2WG	
NGTB50N60S1WG	
NGTB50N60SWG	
NGTB50N65S1WG	
NGTB50N65FL2WG	
NGTB60N65FL2WG	
NGTB75N60FL2WG	
NGTB75N60SWG	
NGTB75N65FL2WG	