

**Reliability Data Summary:**

QV DEVICE NAME: NTST40H120CTG

PACKAGE: TO220DG

Test	Specification	Condition	Interval	Result
HTRB	JESD22-A108	Ta = 90 °C, bias = 80% of rated V	1008 hrs	0/240
HTSL	JESD22-A103	Ta = 150 °C	1008 hrs	0/240
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta = +25°C, deltaTj = 100°C max, Ton = Toff = 3.5min	8572 cyc	0/240
TC	JESD22-A104	Temp = -65°C to +150°C	1000 cyc	0/240
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/240
H3TRB	JESD22-A101	Temp = 85°C, RH = 85%, bias = 100V max	1008 hrs	0/240
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90
SD	JSTD002	Ta = 245°C, 10 sec		0/45

Electrical Characteristic Summary:

Electrical characteristics are not impacted.



List of affected Standard Parts:

Part Number	Qualification Vehicle
NRTST40H100CTG	NTST40H120CTG
NRTSV20H100CTG	NTST40H120CTG
NRTSV30H120CTG	NTST40H120CTG
NTST20100CTG	NTST40H120CTG
NTST20120CTG	NTST40H120CTG
NTST20U100CTG	NTST40H120CTG
NTST30100CTG	NTST40H120CTG
NTST30120CTG	NTST40H120CTG
NTST30U100CTG	NTST40H120CTG
NTST30U100CTH	NTST40H120CTG
NTST40100CTG	NTST40H120CTG
NTST40120CTG	NTST40H120CTG
NTST40120CTH	NTST40H120CTG
NTST40H120CTG	NTST40H120CTG
NTST40H120ECTG	NTST40H120CTG
NTST60100CTG	NTST40H120CTG
NTSV20100CTG	NTST40H120CTG
NTSV20120CTG	NTST40H120CTG
NTSV20H120CTG	NTST40H120CTG
NTSV20H120ECTG	NTST40H120CTG
NTSV20U100CTG	NTST40H120CTG
NTSV20U80CTG	NTST40H120CTG
NTSV30100CTG	NTST40H120CTG
NTSV30100CTH	NTST40H120CTG
NTSV30100SG	NTST40H120CTG
NTSV30120CTG	NTST40H120CTG
NTSV30H100CTG	NTST40H120CTG
NTSV30H100ECTG	NTST40H120CTG