

**Reliability Data Summary:**

QV DEVICE NAME: NCV7517BFTR2G

PACKAGE: LQFP 32

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
HTSL	JESD22-A103	Ta=150°C	1008 hrs	0/80
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/239
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 2 @ 260 °C		0/720
SD	JSTD002	Ta = 245C, 10 sec		0/ 45

QV DEVICE NAME: NB3V8312CFAG

PACKAGE: LQFP 32

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta=150°C	1008 hrs	0/80
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/80
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/80
PC	J-STD-020 JESD-A113	MSL 2 @ 260 °C		0/160
SD	JSTD002	Ta = 245C, 10 sec		0/15

QV DEVICE NAME: MC100EP809FAG

PACKAGE: LQFP 32

Test	Specification	Condition	Interval	Results
PC	J-STD-020 JESD-A113	MSL 2 @ 260 °C		0/160

Electrical Characteristic Summary:

Device parameters will continue to meet all Datasheet specifications and reliability will meet or exceed ON Semiconductor established standards.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
M100LVEP111FATWG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP016AFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP016AFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP101FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP101FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP105FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG



MC100EP105FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP116FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP116FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP131FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP131FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP142FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP142FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP195BFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP195BFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP195FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP195FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP196BFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP196BFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP196FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP196FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP210SFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP210SFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP210SFATWG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP445FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP445FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP446FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP446FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP451FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP451FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP809FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EP809FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EPT622FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100EPT622FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100LVE164FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100LVE164FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100LVEP111FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100LVEP111FARG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100LVEP210FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC100LVEP210FARG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP016FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP016FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP101FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP101FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP105FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP105FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG



MC10EP116FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP116FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP131FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP131FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP142FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP142FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP195FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP195FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP445FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP445FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP446FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP446FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP451FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
MC10EP451FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB3L83948CFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB3L83948CFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB3V8312CFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB3V8312CFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB4L6254FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB4L6254FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB4L858MFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NB4L858MFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12429AFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12429AFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12429FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12429FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12430AFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12430AFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12430FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12430FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12439AFAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12439AFAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12439FAG	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG
NBC12439FAR2G	NCV7517BFTR2G, NB3V8312CFAG and MC100EP809FAG