



**NFME KTT 100V Qualification Summary
NCH MOSFET**

CSD19536KTT Qualification Test Summary				
Stress	Conditions	Test Duration	Sample Size	Results
HTRB *	175°C/80% Rated Vds	1K hrs	1 lot x 77 units	Pass
HTRB *	150°C/80% Rated Vds	1K hrs	3 lots x 77 units	Pass
HTGB *	175°C/80% Rated Vgs	1K hrs	1 lot x 77 units	Pass
HTGB *	150°C/80% Rated Vgs	1K hrs	3 lots x 77 units	Pass
ESD-HBM	Highest Passing Voltage	3500V	1 lot x 3 units	Pass
ESD-CDM	Highest Passing Voltage	2000V	1 lot x 3 units	Pass
THB	85°C/85%R.H./80% Rated Vds	1K hrs	3 lots x 77 units	Pass
Autoclave	121C/100% RH	96 hrs	3 lots x 77 units	Pass
Intermittent Op Life	Delta Tj = 100°C 2 min on/2 min off	10K cycles	3 lots x 77 units	Pass
Temp Cycle	-65°C to 150°C	500 cycles	3 lots x 77 units	Pass

Pass = 0/77 x 3 lots

*Note: Silicon Qualification in HTRB & HTGB is qual by similarity to CSD19536KCS.

Preconditioning performed on devices prior to THB, Autoclave, & Temp Cycle stresses

- Bake: 24 hours @ 125°C
- Preconditioning to MSL2
- 3X reflow + flux + rinse, 260°C Pb free reflow temp



CSD19535KTT Qualification Test Summary				
Stress	Conditions	Test Duration	Sample Size	Results
HTRB *	150°C/80% Rated Vds	168 hrs	1 lot x 77 units	Pass
HTGB *	150°C/80% Rated Vgs	168 hrs	1 lot x 77 units	Pass
ESD-HBM	Highest Passing Voltage	3500V	1 lot x 3 units	Pass
ESD-CDM	Highest Passing Voltage	2000V	1 lot x 3 units	Pass
THB **	85°C/85%R.H./80% Rated Vds	1K hrs	3 lots x 77 units	Pass
Autoclave **	121C/100% RH	96 hrs	3 lots x 77 units	Pass
Intermittent Op Life **	Delta Tj = 100°C 2 min on/2 min off	10K cycles	3 lots x 77 units	Pass
Temp Cycle **	-65°C to 150°C	500 cycles	3 lots x 77 units	Pass

*Note: Silicon Qualification in HTRB & HTGB is qual by similarity to CSD19535KCS.

**Note: Package Qualification in THB, Autoclave, IOL and Temp Cycle is qual by similarity to CSD19536KTT.