



CSD19532Q5B Qualification Test Summary				
Stress	Conditions	Test Duration	Sample Size	Results
HTRB	150°C/80% Rated Vds	1K hrs	3 lots x 77 units	Pass
HTGB	150°C/80% Rated Vgs	1K hrs	3 lots x 77 units	Pass
THB	85°C/85%R.H./80% Rated Vds	1K hrs	3 lots x 77 units	Pass
Autoclave	121°C/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

MSL1 preconditioning performed on devices prior to THB, Autoclave, & Temp Cycle stresses

- Bake: 24 hours @ 125°C
- Damp Heat: 168 hours @ 85°C/85% RH (Level 1)
- 3X reflow + flux + rinse, 260°C Pb free reflow temp