

THE PROCEDURE OF HI-REL EXP.

TESTING ITEM AND CONDITION

ITEM	TESTING ITEM	CONDITION	REF. DOC.
1	Steam Aging Test Solder Ability	230±5°C for 5±0.5 sec or 7±0.5 sec	MIL-STD-202F METHOD-208
2	High Temperature Reverse Bias Test	T _A =100±5°C / 125±5°C V _R =80% Rated V _R 1000 hrs / 96 hrs	MIL-STD-750C METHOD-1026
3	Thermal fatigue	ON: 300 secs OFF: 300 secs 1000 cycles / 300 cycles	MIL-STD-750C METHOD-1036
4	Pressure Cooker Life Test	15 psi T _A =121°C 8 hrs	
5	High Temperature Storage Life	150°C±5°C / 1000 hrs / 96 hrs	MIL-STD-750C METHOD - 1031
6	Solder Resistance	260±5°C for 10±2 sec	MIL-STD-750C METHOD-2031
7	Thermal Shock	0±5°C / 5 min and 100±5°C / 5 min Total 10 cycles	MIL-STD-750C METHOD-1056
8	Temperature Cycling	-55±5°C / 30 min and 125±5°C/30 min Total 10 cycles	MIL-STD-750C METHOD-1051
9	Humidity	T _A =65±5°C, RH=98±10% 1000 hrs/168 hrs	MIL-STD-202F METHOD-103B