

产品可靠性考核标准

Item	Conditions	Criteria	Reference	Note
PC	MSL 3: Bake 125°C 24hrs Moisture Soak 30°C /60%RH 192hrsReflow 260°C 3Cycle	0/231	JESD020C	For SMD
	MSL 1: Bake 125°C 24hrs Moisture Soak 85°C /85%RH 168hrsReflow 260°C 3Cycle		JESD22-A113	
MSL	MSL 3: Bake 125°C 24hrs Moisture Soak 30°C /60%RH 192hrsReflow 260°C 3Cycle	0/22	JESD020D	For SMD
	MSL 1: Bake 125°C 24hrs Moisture Soak 85°C /85%RH 168hrsReflow 260°C 3Cycle		JESD020D	
HTRB	$V_{DS} = 80\%(100\%)BV_{DSS}$ $V_{GS} = 0V$ 150°C 1000hrs	1/77	JESD22-A108	/
HTGB	$V_{GS} = 100\%V_{GS}$ $V_{DS} = 0V$ 150°C 1000hrs	1/77	JESD22-A108	/
H3TRB	$V_{DS} = 80\%BV_{DSS}(\max 100V)$ $V_{GS} = 0V$ 85°C 85% R.H 1000hrs;	1/77	JESD22-A101	Alternative
HAST	$V_{DS} = 80\%BV_{DSS}(\max 42V)$ $V_{GS} = 0V$ 130°C 85% R.H 33.3 psia 96hrs	1/77	JESD22-A-110	
PCT	Ta=121°C 100%R.H. 29.7 psia 96hrs	1/77	JESD22-A-102	Alternative
UHASt	130°C 85% R.H 33.3 psia 96hrs	1/77	JESD22-A-118	
TCT	$T_A = -65\text{ }^\circ\text{C} \sim 150\text{ }^\circ\text{C}$ 500Cycle	1/77	JESD22-A104	/
IOL	$\Delta T = 100\text{ }^\circ\text{C}$ 15000Cycle	1/77	MIL-STD750/Meth.1037	/
HTST	$T_A = 150\text{ }^\circ\text{C}$ 1000hrs	1/77	JESD22-A103	/
THT	$T_A = 85\text{ }^\circ\text{C}$ 85%RH 1000hrs	1/77	JESD22-A101	/