

Reliability Test Report

DEVICE : BD6221F

RESULTS

ITEM	METHOD	CONDITION	n (pcs)	pn (pcs)
Resistance to Soldering Heat (*2)	After the moisture soaking treatment, carry out the soldering heat stress (IR reflow : peak 260°C)	—	22	0
Resistance to Soldering Heat (*2)	Soak into solder tub 260±3°C	10sec	22	0
Thermal Shock (*1)	100°C(5min) / 0°C (5min)	10cycles	22	0
Temperature Cycling (*1)	Tstg min (30min) / Tstg max (30min)	100cycles	22	0
Steady State Operating Life Test	Apply the specified voltage at Topr max	1000hours	22	0
High Temperature Storage	Storage at Tstg max	1000hours	22	0
Low Temperature Storage	Storage at Tstg min	1000hours	22	0
Temperature Humidity Storage (*1)	Place at 85°C / RH=85%	1000hours	22	0
Temperature Humidity Bias (*1)	Apply the specified voltage at Ta=85°C / RH=85%	1000hours	22	0
Pressure Cooker (*1)	Storage at 121°C / 100% / 2atm	100hours	22	0
Electro Static Discharge (HBM)	C=100pF / R=1.5kΩ , ±8000V	—	5	0
Electro Static Discharge (MM)	C=200pF / R=0kΩ , ±600V	—	5	0
Latch up	Current Latch up ±500mA	—	5	0

(*1) Preconditioning ; Soldering Heat

(*2) Moisture soaking treatment

Standard : 85°C 85% 168hrs

Dry packing : 30°C 85% × h (xh : guarantee time after open)

Notes

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