

Reliability Test Report

DEVICE : BD6212FP

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 , ±6000V | — | 5 | 0 |
| Electro Static Discharge (MM) | C=200pF / R=0kΩ , ±400V | — | 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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