

Reliability Test Result

DEVICE : BR93L□□-W Series

RESULT

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)	—	77 x 3	0
Resistance to Soldering Heat (*2)	Soak into solder tub 260±3°C	10sec	77 x 3	0
Thermal Shock (*1) (*3)	100°C(5min) / 0°C (5min)	10cycles	77 x 3	0
Temperature Cycling (*1)	Tstg min (30min) / Tstg max (30min)	1000cycles	77 x 3	0
Steady State Operating Life Test	Apply the specified voltage at Topr max	1000hours	77 x 3	0
High Temperature Storage	Storage at Tstg max	1000hours	77 x 3	0
Low Temperature Storage	Storage at Tstg min	1000hours	77 x 3	0
Temperature Humidity Storage (*1)	Place at Ta=85°C / RH=85%	1000hours	77 x 3	0
Temperature Humidity Bias (*1)	Apply the specified voltage at Ta=85°C / RH=85%	1000hours	77 x 3	0
Pressure Cooker (*1)	Storage at 121°C / 100% / 2atm	100hours	77 x 3	0
R/W cycle test	Bite Write	Vcc=opr max 1×10 ⁶ cycles at 25°C	77 x 3	0
Electro Static Discharge (HBM)	C=100pF / R=1.5kΩ	±2000V	5	0
Electro Static Discharge (MM)	C=200pF / R=0kΩ	±200V	5	0
Latch-up	Current Latch up	±200mA	5	0

※Criterion at each test : To satisfy product specification.

※Objective models are BR93L46/56/66/76/86-W Series,
objective packages are SOP8/SOP-J8/SSOP-B8/TSSOP-B8/MSOP8/TSSOP-B8J.

(*1) Preconditioning ; Soldering Heat

(*2) Moisture soaking treatment : Standard : 85°C 85% 168hrs : Dry packing : 30°C 85% × h(xh : guarantee time after open)

(*3) When an applicable package is VSON008X2030, a "thermal shock" examination becomes the outside of the object.

Notes

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