

Reference Only

UHF Ultra Small Package Tag [IM5-PK2525/IM5-PK2525B] Evaluation Data

Hitachi Chemical Co.,Ltd.
 Protection Film R&D Dept.
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1.Products

UHF Ultra Small Package Tag [IM5-PK2525/IM5-PK2525B]

2.Evaluation Method

Evaluate Figure and Communication after Tests in Table.1

Criteria(Figure) : No Crack, Deformation, Non-conformance for Communication, by Visual Check

Criteria(Communication) : Can Read Correct ID

3.Evaluation Results

Table1. Evaluation Results

No.	Category	Item	Condition	Quantity	Results
1	Durability	Solder Process	260°C Solder	10	5 Minute OK
2		High Temp. Storage	125°C	20	2000 Hour OK
3		High Temp. & High Humidity	85°C/85%RH	45	2000 Hour OK
4		Low Temp. Storage	-40°C	20	2000 Hour OK
5		Liquid Nitrogen	-196°C	10	2000 Hour OK
6		Temp Cycle	-55°C~125°C	45	2000 Cycle OK
7	Anti Chemical	Saline Solution (5%)		5	24 Hour OK
8		Sodium Carbonate Solution (5%)		5	24 Hour OK
9		Ethyl Alcohol Solution (60%)		5	24 Hour OK
10		Sugar Water (10%)		5	24 Hour OK
11		Ethylene Glycol Solution (50%)		5	24 Hour OK
12		Acetic Acid Solution (5%)		5	24 Hour OK
13		MEK		5	24 Hour OK
14		Toluene		5	24 Hour OK
15		Gasoline		5	24 Hour OK
16	Mechanical Strength	Load (Horizontal)	R1.5mm Metal Ball	5	20 N OK
17	Electrostatic Discharge(ESD)	Both Sides (Front and Back)		5	±10 KV OK

<Note>

Above data are sampling value, and are not 100% tested.