

Reference Only

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

Hitachi Chemical Co.,Ltd.
Advanced Film R&D Dept.
Material Polymer Science Sector
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1.Products

UHF Ultra Small Package Tag [IM5-PK2525]

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 Following Reader

Reader : Handy Reader AT-870

Read Range : Proximity(Free Air)

3.Evaluation Results

Table1. Evaluation Results

No.	Category	Item	Condition	Quantity	Results
1	Durability	Solder Process	260°C Solder	20	5 Minute OK
2		High Temp. Storage	100°C	20	1000 Hour OK
3		High Temp. & High Humidity	85°C/85%RH	45	1000 Hour OK
4		Low Temp. Storage	-40°C	45	1000 Hour OK
5		Temp Cycle	-55°C~125°C	10	1000 Cycle OK
6	Anti Chemical	Saline Solution (5%)		5	24 Hour OK
7		Sodium Carbonate Solution (5%)		5	24 Hour OK
8		Ethyl Alcohol Solution (60%)		5	24 Hour OK
9		Sugar Water (10%)		5	24 Hour OK
10		Ethylene Glycol Solution (50%)		5	24 Hour OK
11		Acetic Acid Solution (5%)		5	24 Hour OK
12		MEK		5	24 Hour OK
13		Toluene		5	24 Hour OK
14		Gasoline		5	24 Hour OK
15	Mechanical Strength	Load (Horizontal)	R1.5mm Metal Ball	5	20 N OK
16	Electrostatic Discharge(ESD)	Both Sides (Front and Back)		5	±10 KV OK

<Note>

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