Chip Antennas for General Electronic Equipment for Consumer

RELIABILITY DATA

1. Operating Temperature Range	
Specified Value	-40~+85°C

2. Storage Temperature Range	
Specified Value	$-40 \sim +85^{\circ}$ C
Test Methods and Remarks	With being taped, $-20 \sim +40^{\circ}$ C

3. Solderability		
Specified Value	At least 75% of immerse	d terminal surface is covered by new solder.
Test Methods and Remarks	Solder temperature Duration	: 240±5℃ : 3±1 sec.
	Preconditioning	: Preheating at 150°C after immersion into flux.

4. Thermal Shock	
Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
Test Methods and Remarks	1 hour of recovery after 10 times of 30min.immersion alternately at -40° C and 85° C of temperature, followed by evaluating electrical characteristics.

5. High Temperature Storage Test	
Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
Test Methods and Remarks	1 hour of recovery under standard condition after 96 hours recovery with 85°C of temperature, followed by evaluating electrical characteristics.

6. Low Temperature Storage Test	
Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
Test Methods and Remarks	1 hour of recovery under standard condition after 96 hours recovery with -40° C of temperature, followed by evaluating electrical characteristics.

7. Humidity Storage Test	
Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
Test Methods and Remarks	1 hour of recovery under standard condition after 96 hours recovery with 60° C of temperature, $90 \sim 95\%$ relative humidity followed by evaluating electrical characteristics.

8. Resistance to Reflow	
Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
Test Methods and Remarks	Two times of reflow soldering by recommended profile attached, followed by evaluating electrical characteristics.

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

