

Chip Antennas for General Electronic Equipment for Consumer

■ RELIABILITY DATA

1. Operating Temperature Range

Specified Value	-40~+85°C
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2. Storage Temperature Range

Specified Value	-40~+85°C
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Test Methods and Remarks	※with being taped, -20~+40°C
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3. Solderability

Specified Value	At least 75% of immersed terminal surface is covered by new solder.
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Test Methods and Remarks	Solder temperature	: 240±5°C
	Duration	: 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.
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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.
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5. High Temperature Storage Test

Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
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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.
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6. Low Temperature Storage Test

Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
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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.
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7. Humidity Storage Test

Specified Value	Shall satisfy required VSWR value of individual specifications for each item.
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Test Methods and Remarks	1 hour of recovery under standard condition after 96 hours recovery with 60°C of temperature, 90~95% relative humidity followed by evaluating electrical characteristics.
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8. Resistance to Reflow

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