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Data Sheet

AT-1442-TT-WP-R

Specifications

Parameters	Values	Units
Rated Voltage	10	Vp-p
Operating Voltage Range	30	Vp-p
Current Draw at Rated Voltage	12	mA
Capacitance 1kHz/1V	20,000±30%	pF
Minimum SPL @ 10cm	84	dBA
Resonant Frequency	4250±500	Hz
Housing Material	ABS	-
Terminal Material	Au plating	-
Weight	2.6	Grams
Ingress Protection Rating	IP67	-
Acceptable Soldering Methods	Hand Solder	Iron 360C for 3 seconds or less
Environmental Compliances	ROHS	
Storage Temperature	-40~95	°C
Operating Temperature	-30~85	°C

Measurement Method (Tested with 10Vpp @ 4.25kHz)



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Typical Frequency Response (Tested with 10Vpp @ 4.25kHz)

Reliability Testing

Type of Test	Test Specifications	
	After being inside chamber for 240 hours at 95°C	
High Temperature Test		
	After being inside chamber for 240 hours at -40°C	
Low Temperature Test		
Humidity Tost	After being inside chamber 240 hours at 40°C with relative humidity at 90%	
Temperature Cycle Testing	+25°C -40°C 0.5hr 0.5hr 0.25 0.5hr 0.5hr 0.5hr 0.5hr 0.25 -3hours	
Vibration Test	Applied amplitude of 1.5mm with 10Hz to 55Hz frequency in XYZ axis for 2 hours.	
Drop Test	Drop from 75cm onto 40mm thick plywood 3 times in XYZ axis 3 times, 9 total.	

Evaluation:

Allow buzzer to sit for 4 hours at 25C. Test results should be within ±10% of initial measurements for frequency oscillation. The SPL within ±10dB of initial measurement.

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Dimensions



Tray		1x100PCS=100PCS
Out Box	230mmx230mmx270mm	10LAYERx100PCS=1000PCS

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