

## SPECIFICATIONS

Note: We use the "Pascal [Pa]" indication of sensitivity as per the recommendation of I.E.C. (International Electrotechnical Commission). The sensitivity of "Pa" will increase 20dB compared to the "ubar" indication. Example: -60dB (0dB = 1V/ubar) = -40dB [1V/Pa]

## MECHANICAL DRAWING

Technical drawing of the Green component, showing side and cross-sectional views with dimensions.

**Side View Dimensions:**

- Overall diameter:  $\phi 9.7 \pm 0.15$
- Top flange width:  $4.5 \pm 0.15$
- Top flange thickness:  $4.5 \pm 0.5$
- Central shaft diameter:  $2.54 \pm 0.3$

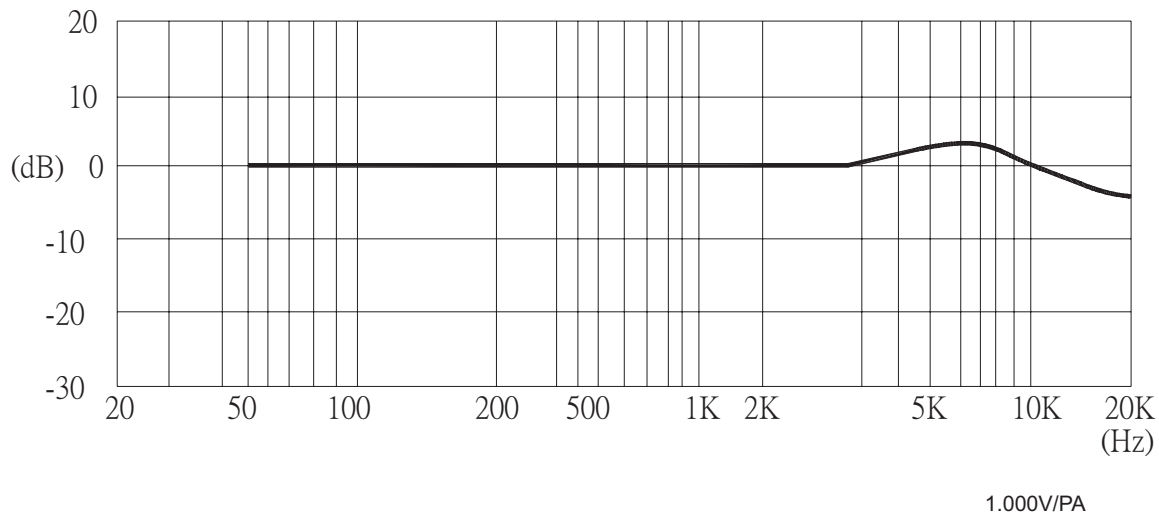
**Cross-sectional View Dimensions:**

- Top flange thickness:  $0.45 \pm 0.05$
- Central shaft diameter:  $2.0$
- Bottom flange thickness:  $0.42 \pm 0.05$
- Labels: Term.1, Term.2, Green

## MEASUREMENT CIRCUIT

### Schematic Diagram

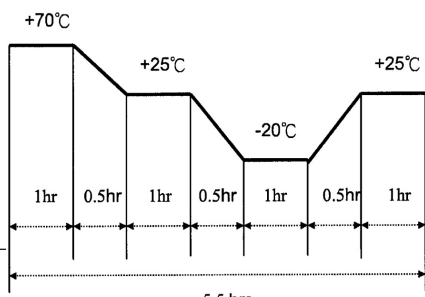
## FREQUENCY RESPONSE CURVE



## MECHANICAL CHARACTERISTICS

item	test condition	evaluation standard
soldering heat resistance	Soldering iron of $+270 \pm 5^{\circ}\text{C}$ should be placed on the terminal for $2 \pm 0.5$ seconds.	No interference in operation.
terminal mechanical strength	Apply to the terminal 4.9 N [0.5 kg] for 30 seconds	No damage or cutting off.
vibration test	The part should be measured after a vibration amplitude of 1.5 mm with 10~55 Hz band of vibration frequency to each of the 3 perpendicular directions for 2 hours.	After any tests, the sensitivity should be within $\pm 3$ dB of the initial sensitivity.
drop test	The part without packaging is subjected to 3 drops on each axis from the height of 1 m onto a 20 mm thick wooden board.	

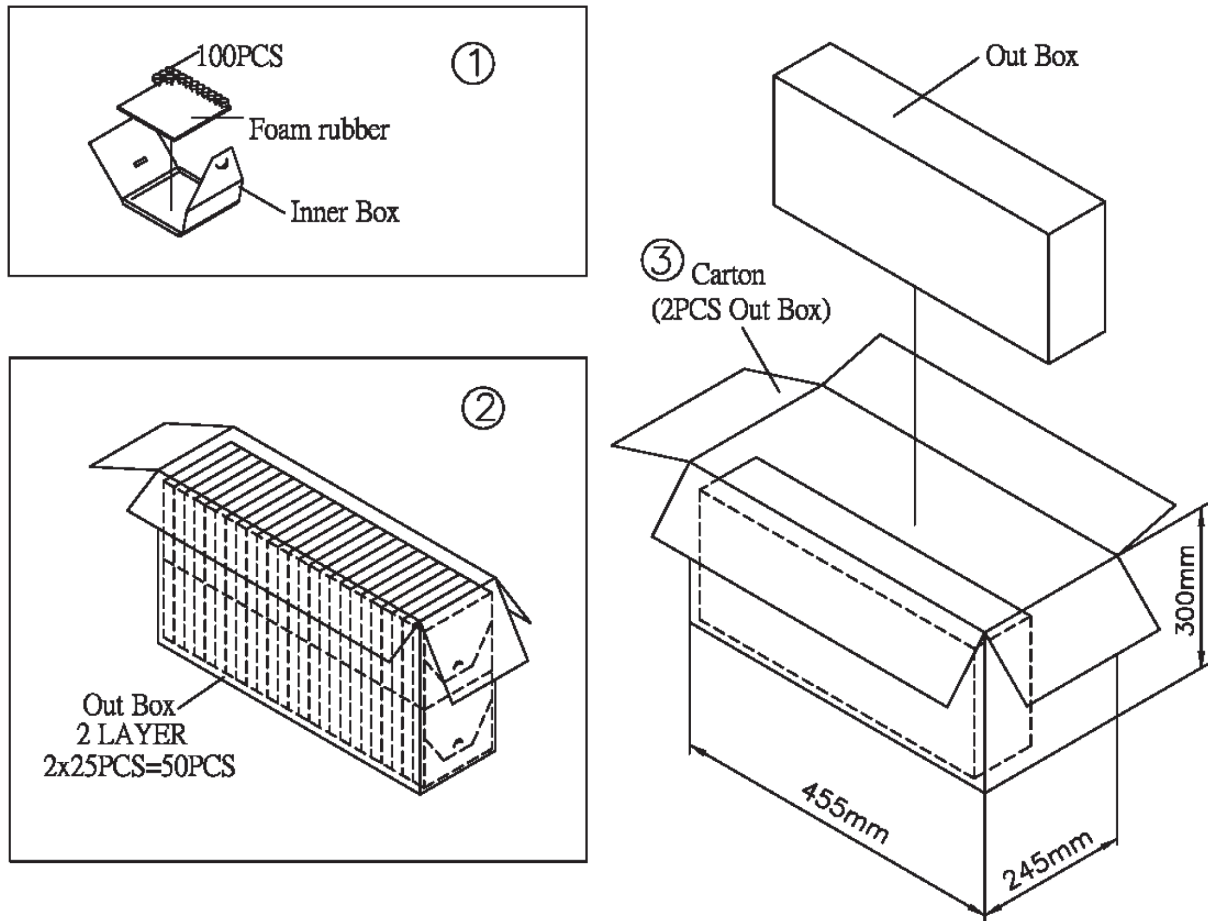
## ENVIRONMENT TEST

item	test condition	evaluation standard
high temperature test	After being placed in a chamber at $+70^{\circ}\text{C}$ for 72 hours.	After any tests and 6 hours of conditioning at $+25^{\circ}\text{C}$ , the sensitivity should be within $\pm 3$ dB of the initial sensitivity.
low temperature test	After being placed in a chamber at $-20^{\circ}\text{C}$ for 72 hours.	
thermal shock	After being placed in a chamber at $+40^{\circ}\text{C}$ and 90 $\pm 5\%$ RH for 240 hours.	
temperature cycle test	The part will be subjected to 10 cycles. One cycle will consist of: 	

## TEST CONDITIONS

standard test conditions	a) Temperature: $+5 \sim +35^{\circ}\text{C}$	b) Humidity: 45 ~ 85%	c) Pressure: 860 ~ 1060 mbar
judgement test conditions	a) Temperature: $+25 \pm 2^{\circ}\text{C}$	b) Humidity: 60 ~ 70%	c) Pressure: 860 ~ 1060 mbar

## PACKAGING



Inner Box	100mmx100mmx15mm	100PCSx1=100PCS
Out Box	435mmx120mmx280mm	100PCSx50=5,000PCS
Carton Box	455mmx245mmx300mm	5,000PCSx2=10,000PCS

## REVISION HISTORY

rev.	description	date
1.0	initial release	06/01/2008
1.01	new template applied, updated drawing	09/24/2013
1.02	brand update	01/17/2020
1.03	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



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