

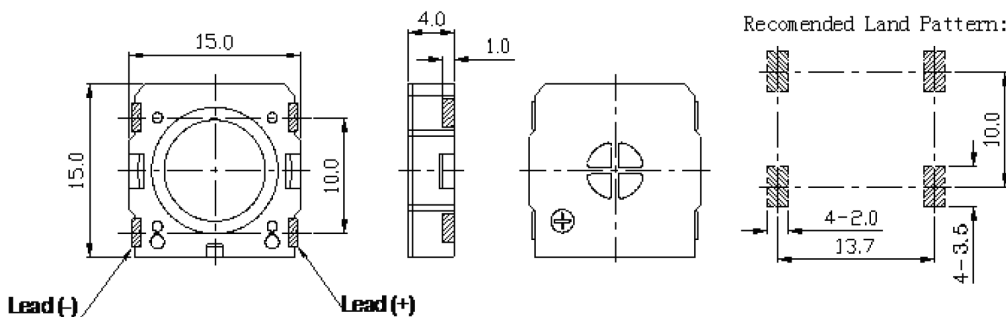
Features

- Compact micro dynamic speaker
- 15mm × 15mm × 4mm with solder pads
- Applications include door entry systems, security and safety products, PDAs and parking meters

Specifications

Rated Impedance	: $8 \pm 15\% \Omega / 1\text{kHz} / 1\text{V}$
Rated Power	: 0.5W
Max. Power	: 0.8W (max 1 minute)
Resonant Frequency	: $850 \pm 15\% \text{Hz} / 1\text{V}$
Sound pressure level at 1kHz, 1.2kHz, 1.5kHz, 2kHz sine wave, 0.5W/0.1m baffle board (IEC)	: $88 \pm 3\text{dB}$
Frequency Range	: f0Hz ~ 20kHz
Total Harmonic Distortion	: 10% Max at 2kHz/0.5W
Operating Temperature	: $-20^\circ\text{C} \sim +70^\circ\text{C}$
Storage Temperature	: $-20^\circ\text{C} \sim +70^\circ\text{C}$
Weight	: 1.5g
Voice Coil Diameter	: 7.4mm
Magnet size (SmCo)	: $6.8 \times 1.1\text{mm}$

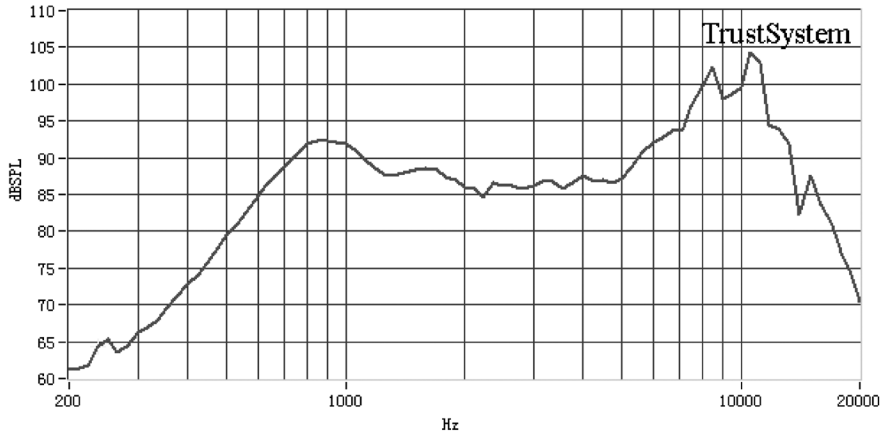
Diagram



Dimensions: Millimetres

Part Name	Material	Qty.
Frame	LCP	1
Yokel	SPCC	1
Diaphragm	PI	1
Voice coil	Copper	1
Plate	SPCC	1
Magnet	SmCo	1
Terminal	Cu+Sn	2
Cap	LCP	1

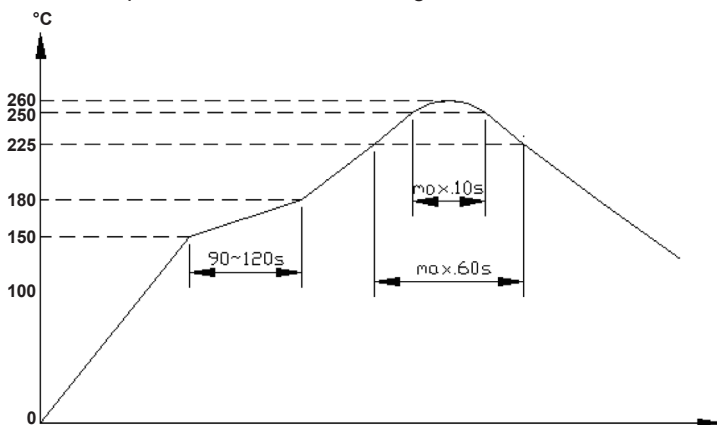
Frequency Response Curve



Soldering Condition:

It is recommended reflow soldering condition as follows -

NB: It is requested that reflow soldering should be executed after heat of product returns to normal



Part Number Table

Description	Part Number
Speaker, Micro, Dynamic, 8Ω, 0.5W	ABS-243-RC

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