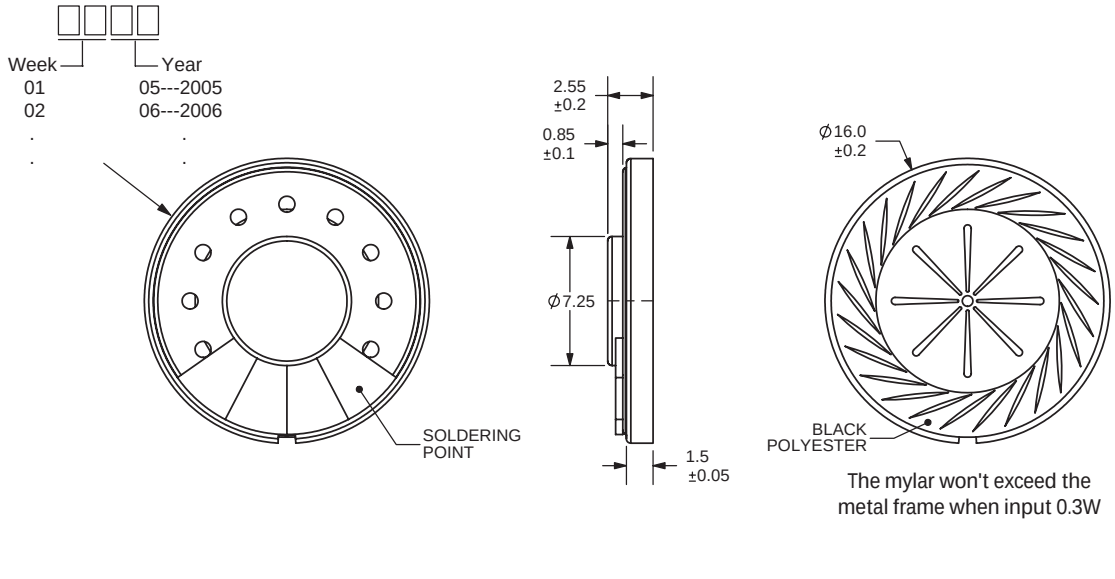
Specifications

Dimensions	ø16.0 x 2.55 mm		
Impedance	8 Ohm ± 15%	at	1.0 KHz 1 V
Resonant frequency	600 Hz ± 20%	at	1 V
Sound pressure level	82 dB/w ± 3 dB	0.3 w 10 cm at 1.0K, 1.2K, 1.5K, 2.0K Hz	
	69 dB/w ± 3 dB	1 w 1m at 1.0K, 1.2K, 1.5K, 2.0K Hz	
Response	Fo Hz ~ 20 KHz max.		
Distortion	10% max.	at 1.0 KHz 0.3W	
Input power	Nominal 0.3 W	Handling capacity 0.5 W	
Operation	must be normal at program source 0.3 W		
Buzz, rattle, etc.	must be normal at sine wave 1.55 V		
Magnet	Nd-Fe-B		
Operating temp.	-20 ~ +55°C		
Weight	1.5 g		
Material	Metal		
RoHS	yes		

Mechanical Drawing

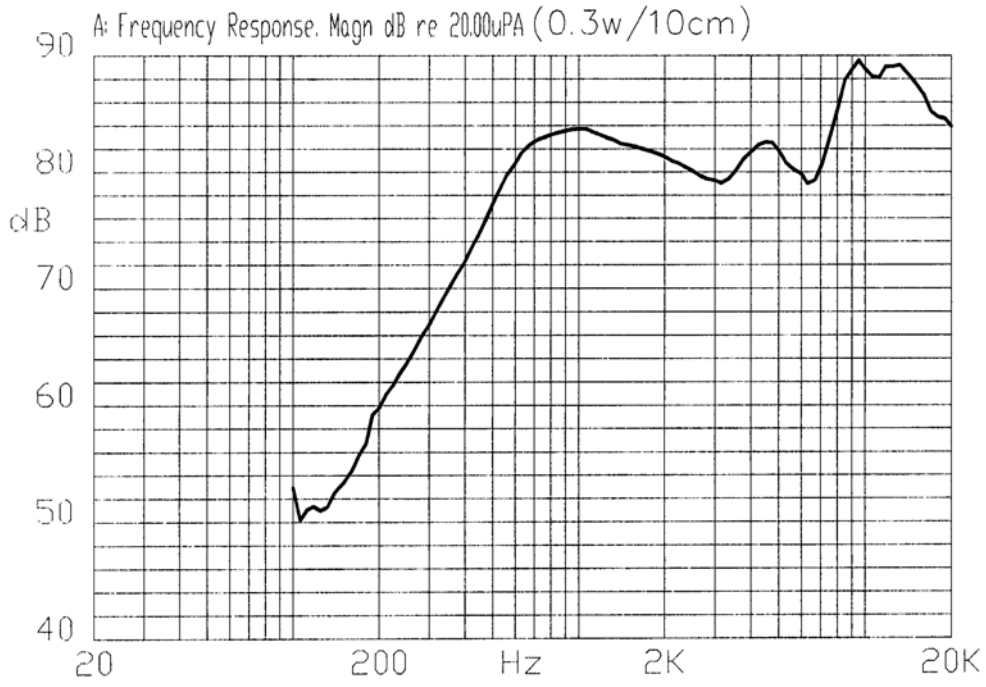
Tolerance: ±0.5

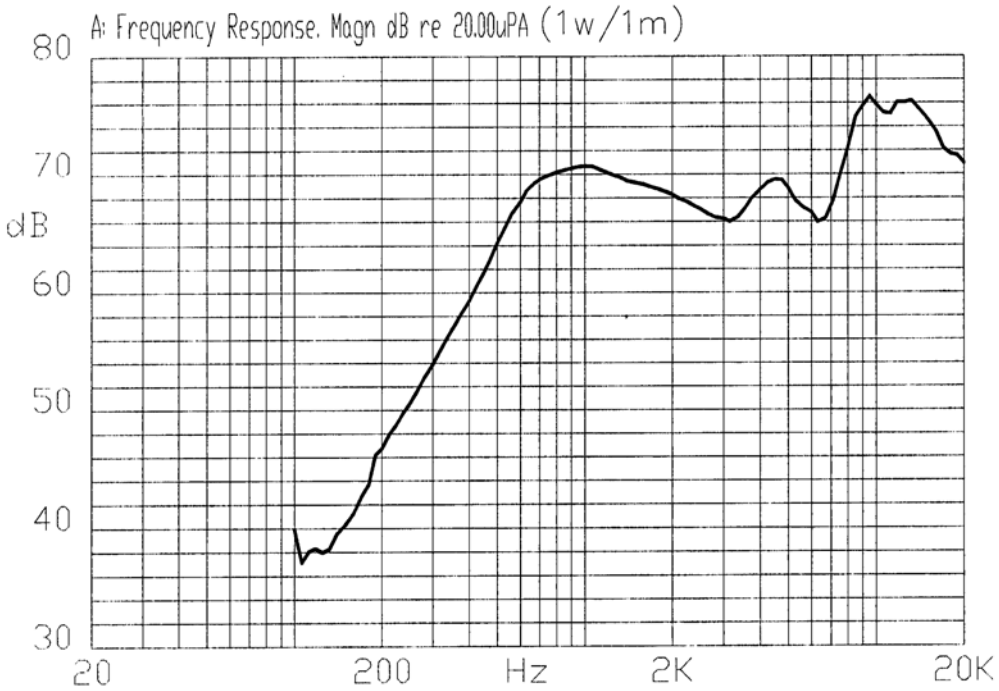


The mylar won't exceed the metal frame when input 0.3W

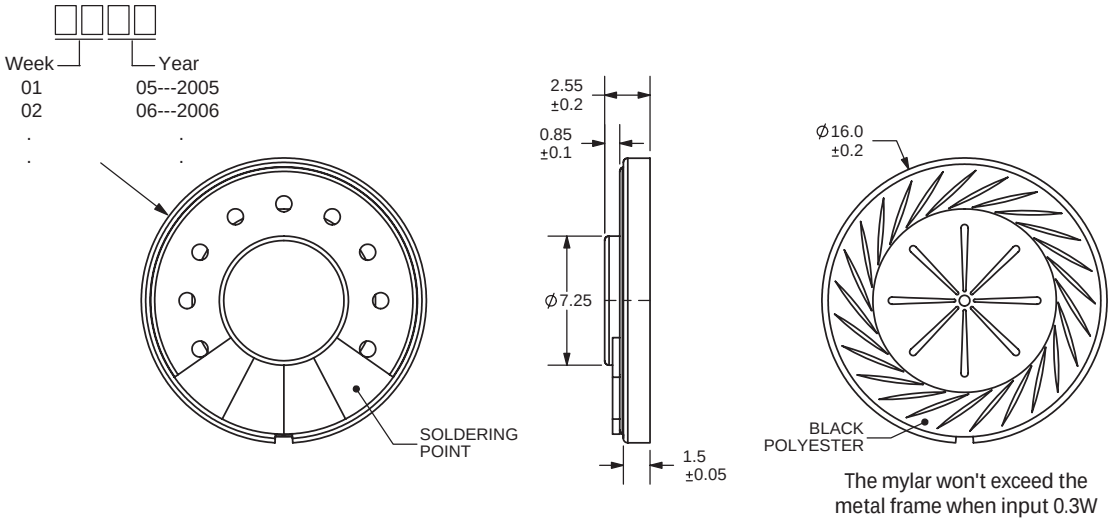
RoHS

Frequency Response Curve





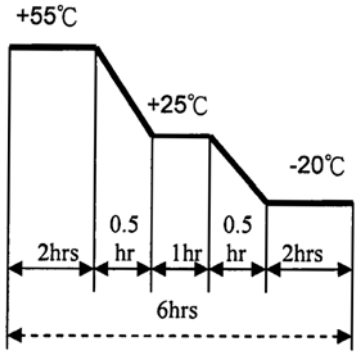
Measurement Circuit



Mechanical Characteristics

Item	Test Condition	Evaluation Standard
PCB Wire Pull Strength	The pull force should be applied to double lead wire: Horizontal 3.0N (0.306kg) for 30 seconds	No damage or cutting off.
Vibration	The speaker should be measured after applying a vibration amplitude of 1.5 mm with 10 to 55 Hz band of vibration frequency to each of the 3 perpendicular directions for 2 hours.	No obstacle will be harmful to normal operation; damage, cracks, rust, and distortions. Should not be audible at 1.55 V sine wave between Fo ~ 20 KHz.
Drop Test	The part will be dropped, contained inside a normal box, from a height of 75 cm onto a 40 mm thick wooden board 10 times.	

Environment Test

Item	Test Condition	Evaluation Standard
High temp. test	After being placed in a chamber at 55°C for 96 hours.	The speaker will be measured after being placed at +25°C for 6 hours. No obstacle will be harm ful to normal operation; damage, cracks, rust, and distortions. Should not be audible at 1.55 V sine wave between Fo ~ 20 KHz. The SPL should be within ±3dB compared to the initial measurements.
Low temp. test	After being placed in a chamber at -20°C for 96 hours.	
Humidity test	After being placed in a chamber at +40°C and 90% relative humidity for 96 hours.	
Temp. cycle test	The part shall be subjected to 5 cycles. One cycle will consist of:  	

Reliability Test

Item	Test Condition	Evaluation Standard
Load Test	0.3 W white noise, applied for 24 hours, at room temperature.	The speaker will be measured after being placed at +25°C for 6 hours. No obstacle will be harm ful to normal operation; damage, cracks, rust, and distortions. Should not be audible at 1.55 V sine wave between Fo ~ 20 KHz. The SPL should be within ±3dB compared to the initial measurements.

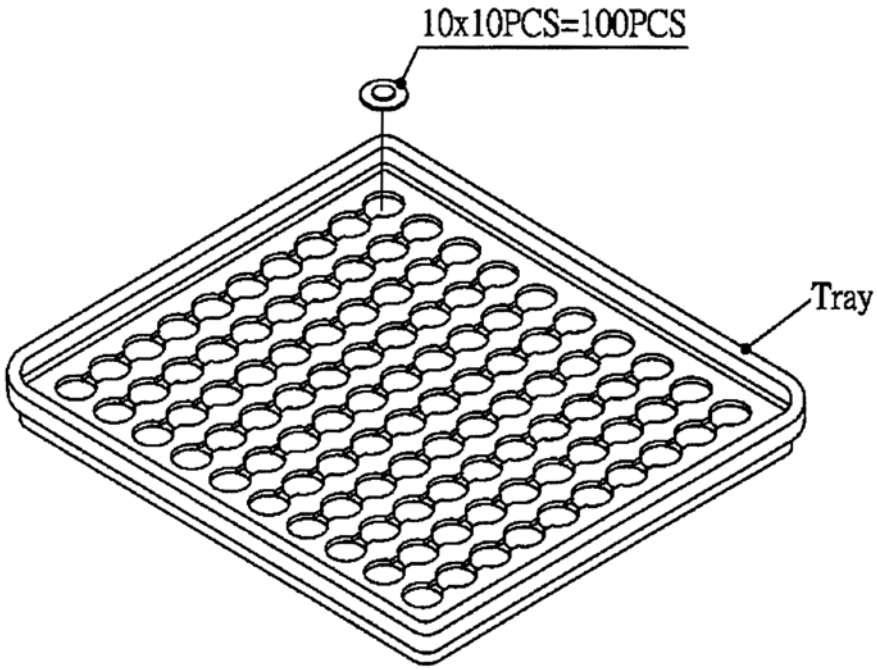
Test Conditions

Standard Test Condition	a) Tempurature: +5 ~ +35°C	b) Humidity: 45 - 85%	c) Pressure: 860-1060 mbar
Judgement Test Condition	a) Tempurature: +25 ±2°C	b) Humidity: 60 - 70%	c) Pressure: 860-1060 mbar

Recommended Temperature Profile for Hand Soldering

Hand Soldering
370±10℃ / 3±1 Sec

Packaging



Tray	216mmx196mmx20.4mm	1x100PCS=100PCS