

SPECIFICATION

SHEET FOR APPROVAL

MULTI-FUNCTIONAL TRANSDUCER (2 MODES: RECEIVER & SPEAKER)

MODEL NUMBER: M4075-8B-1A02R (Φ40mm 8Ω 2W)

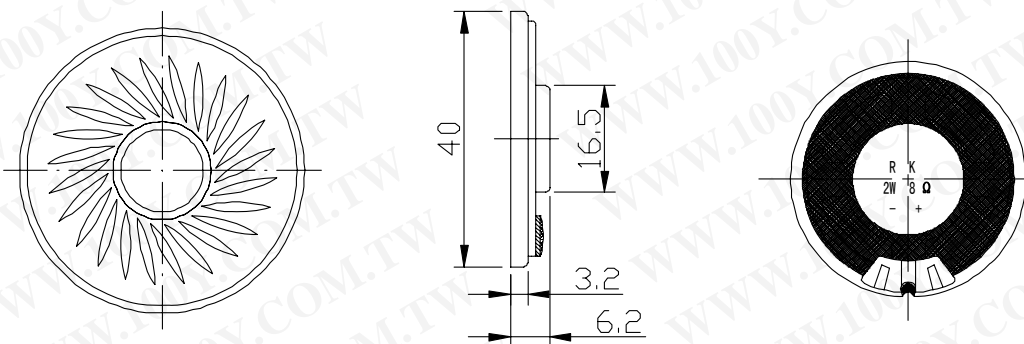
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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MODEL NO.	M4075-8B-1A02R	UPDATE	V00	ISSUED DATE	2011-10-23	
<p>1. SCOPE This specification cover our product of mylar speaker unit for use in DVD, telephone, alarm system and calling system.</p> <p>2. ELECTRICAL AND ACOUSTICAL CHARACTERISTIC</p> <p>2. 1 SOUND PRESSURE LEVEL (S.P.L) Sound pressure level shall be indicated by the mean value of those measured at the specified frequency range. 131±3 dB at 1200、1500、1800、2000 Hz in average. Measure Condition: sin swept measurement at 0.1W on axis at 0.1M Measurement Circuit: shown in Fig. 2.</p> <p>2. 2 RESONANCE FREQUENCY(FO):500±20%Hz at 1V.(NO Baffle) Measurement Circuit:Shown in Fig.2.</p> <p>2. 3 RATED IMPEDANCE: 8±20% Ω (at 1KHz, 1V) Measure Condition:the impedance response is measured with Mylar speaker. Measurement Circuit: shown in Fig. 2.</p> <p>2. 4 FREQUENCY RANGE: Fo~20KHz (Deviation 10dB from average S.P.L.) Frequency Response Curve:Shown in Fig.3.Whit IEC Baffle plate. Frequency Response Measurement Circuit: Shown in Fig.2.</p> <p>2. 5 RATED INPUT POWER (CONTINUUM): 2.0W</p> <p>2. 6 MAX INPUT POWER (SHORT-TERM): 2.0W Testing will be done using IEC filter with white noise source for 1 minute with no degradation in performance.</p> <p>2. 7 TOTAL HARMONIC DISTORTION: Less than 5% at 1KHz,2.0W Measurement Circuit:Shown in Fig.2.</p> <p>2. 8 OPERATION: Must be normal at sine wave and program source 2.0W.</p> <p>2. 9 POLARITY: When a positive DC current is applied to the terminal marked(+),Diaphragm shall move forward. Marking: R K 8 Ω 2W - +</p> <p>2. 10 PURE SOUND DETECTION: Buzz,Rattle,etc Should not be audible at 4.0VRMS sine wave from Fo ~ 7KHz.</p>						
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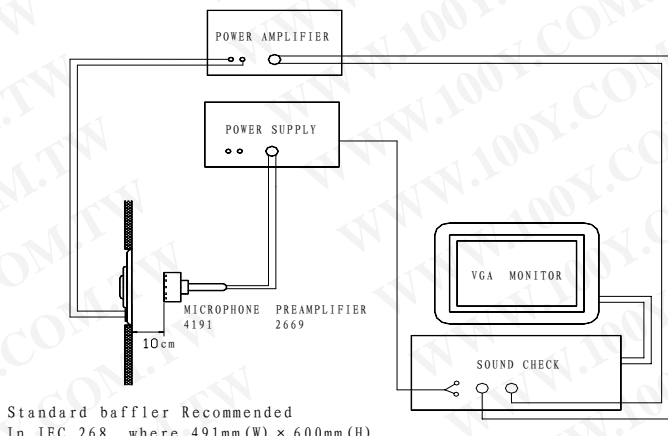
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3. DIMENSIONS (Fig.1)

Unless otherwise specified, tolerance: ± 0.3 (unit: mm)

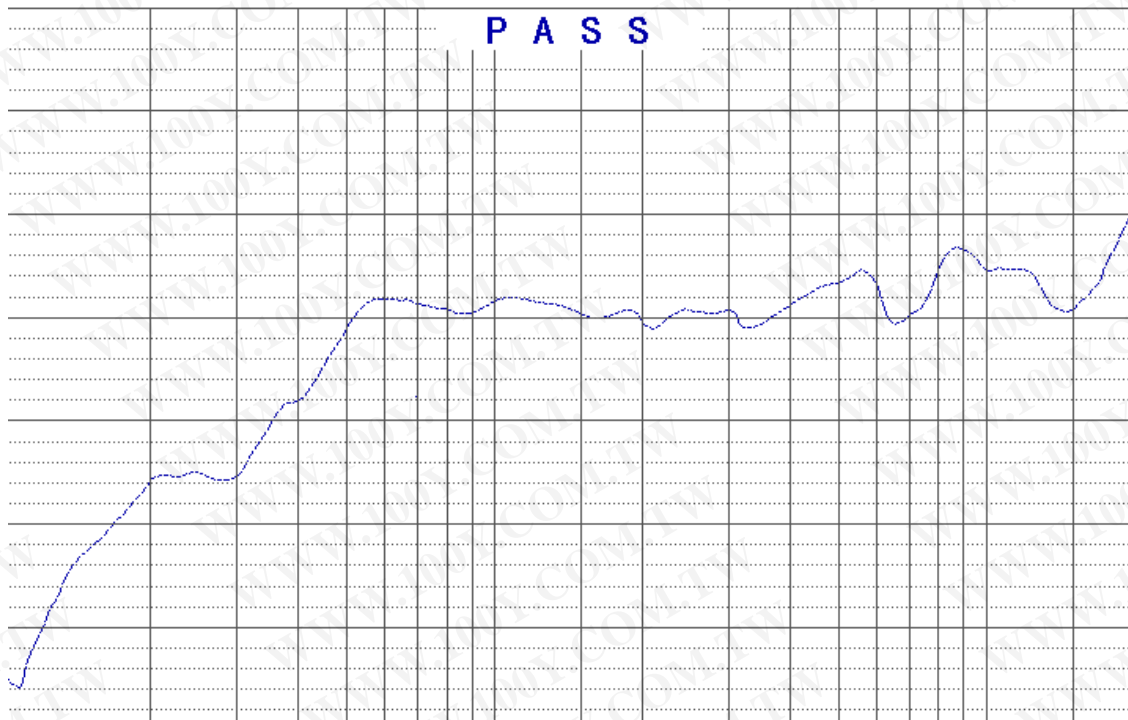
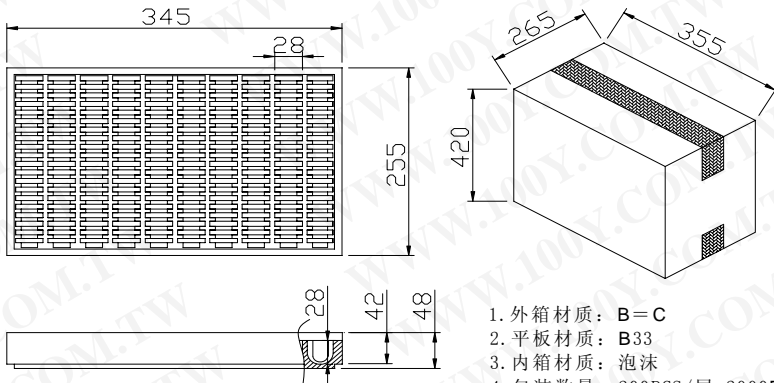


4. FREQUENCY MEASURING CIRCUIT (SPEAKER MODE) (Fig.2)



Standard baffle Recommended
In IEC 268 where 491mm (W) × 600mm (H)

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5. FREQUENCY RESPONSE MASK & TYPICAL FREQUENCY RESPONSE CURVE (SPEAKER MODE) (Fig. 3)						
						
6. PACKAGING EXPLAIN						
 <div>1. 外箱材质: B=C 2. 平板材质: B33 3. 内箱材质: 泡沫 4. 包装数量: 200PCS/层 2000PCS/箱</div>						
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7. RELIABILITY TESTS						
The sound pressure as specified shall neither deviate more than ±3dB from the initial value, nor any significant damage after any of following testing.						
7.1 HIGH TEMPERATURE TEST						
High temperature: +55±2℃						
Duration: 48 hours						
7.2 LOW TEMPERATURE TEST						
Low temperature : -20±2℃						
Duration: 24 hours						
7.3 HEAT SHOCK TEST (See in Fig.6)						
High temperature: +55±2℃						
Low temperature: -20±2℃						
Changeover time: < 30 seconds						
Duration: 45 minutes						
Cycle: 10						
7.4 HUMIDITY TEST						
Temperature: +20±2℃						
Relative humidity: 90~95%						
Duration: 24 hours						
7.5 TEMPERATURE CYCLE TEST						
Temperature: -20℃ +55℃						
Duration: 45 minutes 45 minutes						
Temperature gradient: 1~3℃/min.						
Cycle: 10						
7.6 DROP TEST						
Height: 1.0 m						
Cycle: 6 (1 each plain)						
onto the concrete board						
7.7 LOAD TEST						
Speaker mode: White noise (EIA filter) for 48hours @2.0W input power						
@20-20KHz.						
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