S16N04

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tolerance: -
page: 1/2

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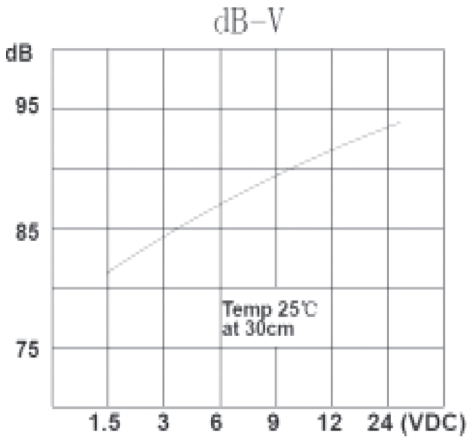
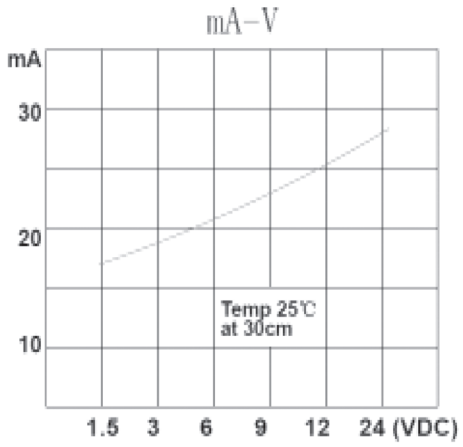
eve GmbH ELEKTRONIK DISTRIBUTION

1 . Electrical Characteristics

Oscillation Frequency (KHz)	0.4 ±0.1
Operating Voltage (Vdc)	8 ~ 16
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	30 at Rated Voltage
Sound Pressure Level (dB/min.)	88 at 30cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (℃)	-20 ~ +70
Storage Temperature (℃)	-30 ~ +85

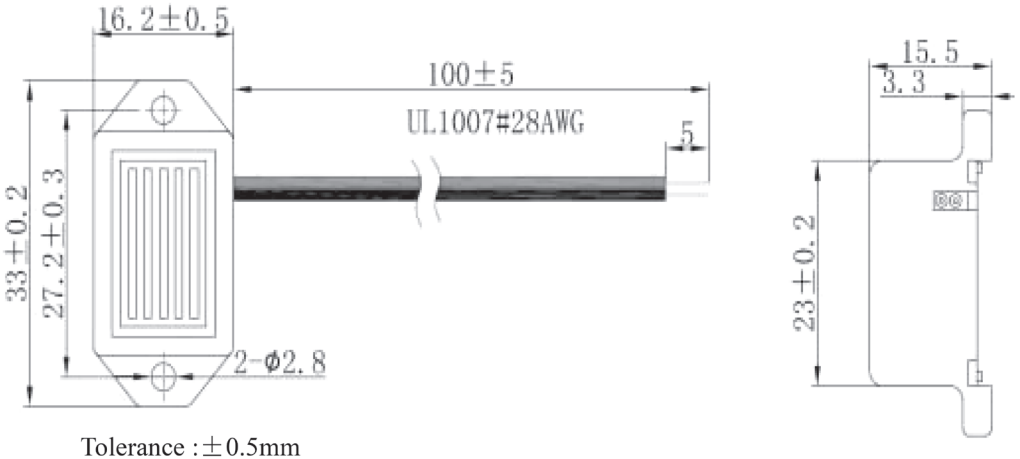
2 . Voltage/ Current / Sound Pressure





3 . Dimensions and Material

3-1 Shape



Tolerance : ±0.5mm

3-2 Material

Housing	ABS(Color : White)
Leading Wire	28 AWG
Weight (Gram)	7.8

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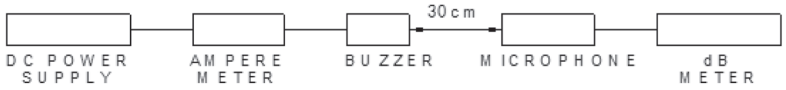
4. TESTING METHOD

· *Standard Measurement conditions*

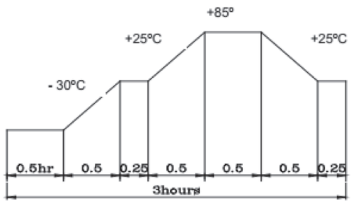
Temperature:25±2℃ Humidity:45-60%

· *Acoustic Characteristics*

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.



5. RELIABILITY

ITEMS	*TEST CONDITION AND REQUIREMENT*
High Temperature Test (Storage)	*After being placed in a chamber with 85±2℃ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.*
Low Temperature Test (Storage)	*After being placed in a chamber with -30±2℃ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB*
Humidity Test	*After being placed in a chamber with 90-95% R.H. at 40±2℃ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB*
Temperature Cycle Test	*The part shall be subjected to 5 cycles. One cycle shall be consist of :*  *Allowable variation of SPL after test: 10dB*

Drop Test	*Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 100cm. Allowable variation of SPL after test:10dB*
Vibration Test	*After being applied vibration of amplitude of 1.5mmwith 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test:±10dB*
Solder ability Test	*Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +270±5℃ for 5±1 seconds.90% min. lead terminals shall be wet with solder. Hand Soldering 360±5℃ for 1.5 Sec. Recommend using constant searing-iron*
Terminal / Wire Strength Pulling Test	*The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off*

6. PACKAGE METHOD

<1> 100pcs per box , Total 10 boxes per carton , total 1000pcs per carton;
Volume: L*W*H=520*335*290mm

<2> N . W . ：；15.6KGS； G . W . ：17.6KGS；

< 3 > RoHS Mark