DIGISOUND°

F/WEX 12N

Electrical and Acoustical Parameter

Rated voltage (V) 12.0

Operating voltage (V) 8.0 – 16.0

Coil restistance (Ω) 110 \pm 10

Sound pressure level (dBA/10cm) * 87 - 93

Current consumption (mA)** <55

Resonant Frequency (Hz) 740

* Value applying at 740Hz, square wave 12V with 15% duty cycle.

Remark: **Value applying at 1000Hz, square wave 12V with 1/2 duty cycle.

Mechanical, Environmental Parameter

Contact / Wire Pin

Operating temperature ($^{\circ}$ C) -40 to +85

Storage temperature ($^{\circ}$ C) -40 to +85

Material housing PPO

Color Housing Black

Component weight (g) 8.0

Remark:

Approval

RoHs 🗾

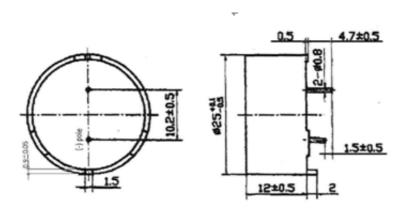
UL

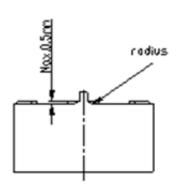
Designed by	MZ	28.07.2011	Dimensions without tolerance ±0.3mm Index: 00		Current date
Released by	PB	28.07.2011	Drawing number	DDD	28.07.2011
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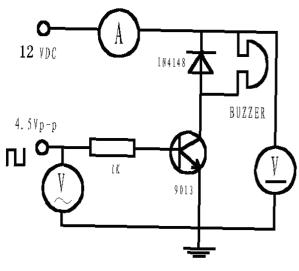
F/WEX 12N

Drawing of ComponentUnit:mm Tolerance: ±0.5mm Except Specified

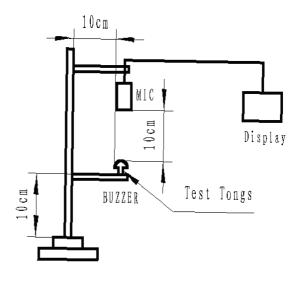




Test Method



Test Circuit



Test Equips

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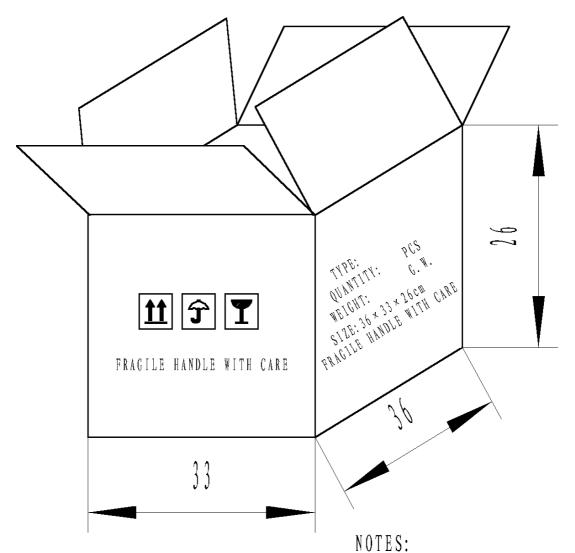
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Reliability Test

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	40±5°C, 93(+2/-3)%RH, 96HRS	
2	High temp.	+85±2°C, 96HRS	
3	3 Low temp40±2°C, 96HRS		
4	Temperature Cycling	-40±2°C, 30minutes room temp. 15 minutes +85±2°C, 30 minutes room temp. 15 minutes 5 cycles	Sound pressure level initial value±10dB Max. current value±1mA
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	Oscillating frequency value±300Hz.
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then from 55 to 10Hz) under single amplitude of 1.0mm is 1 minute.	
7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 250±10°C for a period of 30 seconds.	After the test part shall meet specifications without any degradation in appearance and performance.

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Packaging Information



- 1.50 PCS per bag
- 2. Total 20 bags per box
- 3. Total 1000 PCS box
- 4. Volume: $36 \times 33 \times 26$ cm

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Revision Table

			implementation	
Index		Drawing	LS-Nr.:	Comments
Nr.	Reason - Procedure Change description	Date	Date	
	- Change description			
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