

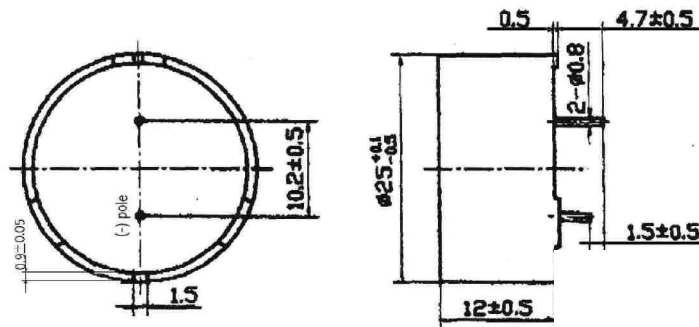
# F/WEX06 LF

## Technical datas *Technische Daten*

Operating voltage range <i>Betriebsspannungsbereich</i>	3...5V
Rated voltage <i>Nennspannung</i>	5V
a) Rated current <i>Nennstrom</i>	≤ 80mA
b) Sound pressure level [SPL]at 10 cm <i>Lautstärke in 10 cm</i>	> 85dB
Resonant frequency <i>Resonanzfrequenz</i>	730Hz
Coil resistance <i>Wicklungswiderstand</i>	27 ± 4 Ω
c) Impedance <i>Impedanz</i>	38Ω
Operating temperature <i>Betriebstemperatur</i>	-40 ...+85°C
Storage temperature <i>Lagerungstemperatur</i>	-40 ...+105°C
Weight <i>Gewicht</i>	10g
Material <i>Material</i>	Noryl SE1-GFN2J

- a) Value applying rated voltage (1000 Hz, ½ duty, square wave)  
*Wert bei angelegter Nennspannung (1000 Hz, ½ Tastverhältnis, Rechteck)*
- b) Value applying 730Hz, square wave 5V with ½ duty  
*Wert bei angelegten 730Hz, Rechteckspannung 5V mit ½ Tastverhältnis*
- c) Value applying (1000 Hz, sine wave, measuring current 60 µA)  
*Angelegter Wert (1000Hz, Sinus, Meßstrom 60 µA)*

## Drawings *Zeichnungen*



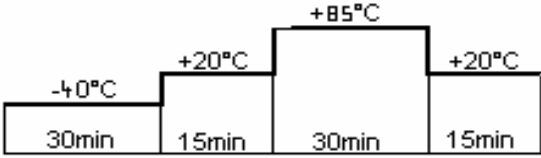
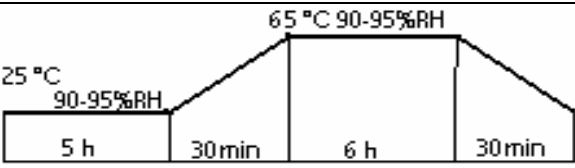
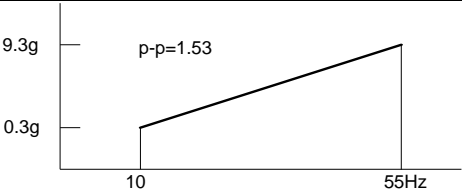
Diese Zeichnung ist unser Eigentum. Vervielfältigung unbefugte Verwertung, Mitteilung an andere ist strafbar und Schadensersatzpflichtig

<b>DIGISOUND</b>	Halbzeug, Werkstoff				Untolerierte Maße		Zeichn.-Nr. <b>060508.1B</b>	
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gezeichnet	Tag	Name	And. zust.	And.-Mittlg. Nr.	Tag	Name	<b>F/WEX06 LF</b>	
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Vervielfält.-Pause Nr.

Arbeitspause Nr.

## Reliability test Zuverlässigkeit

Item	Method of test	Standard
Storage in high temp.	Storage in +105°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.	All specifications must be satisfied in this condition.
Storage in low temp.	Storage in -40°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.	All specifications must be satisfied in this condition.
Life test in the room temp.	Operate continuously for 500 hours with applying 5V <sub>DC</sub> , 730Hz with duty of 50%.	All specifications must be satisfied in this condition.
Life test in high temp.	Operate continuously in +85°C for 500 hours applying 5V <sub>DC</sub> , 730Hz with duty of 50%.	All specifications must be satisfied in this condition.
Life test in low temp.	Operate continuously in -40°C for 500 hours applying 3V <sub>DC</sub> , 730Hz with duty of 50%.	All specifications must be satisfied in this condition.
Temperature cycle test	 <p>Make this test for 50cycles without applying power, then expose to the room temperature for 2 hours.</p>	All specifications must be satisfied in this condition.
Humidity cycle test	 <p>Make this test for 30 cycles without applying power, then expose to the room temperature for 2 hours.</p>	All specifications must be satisfied in this condition.
Vibration test	 <p>Make this test for the directions X,Y and Z for 2 hours each (total 6 hours). To- and -fro sweep. Times 1 minute.</p>	All specifications must be satisfied in this condition.
Drop test	Drop a buzzer naturally from the height of 1m to the surface of 10 mm thick wooden board. Three directions (X,Y & Z)	All specifications must be satisfied in this condition.
Solderability test	Soldering Temperature : 260°C Heat applying time : 5 sec	All specifications must be satisfied in this condition.

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