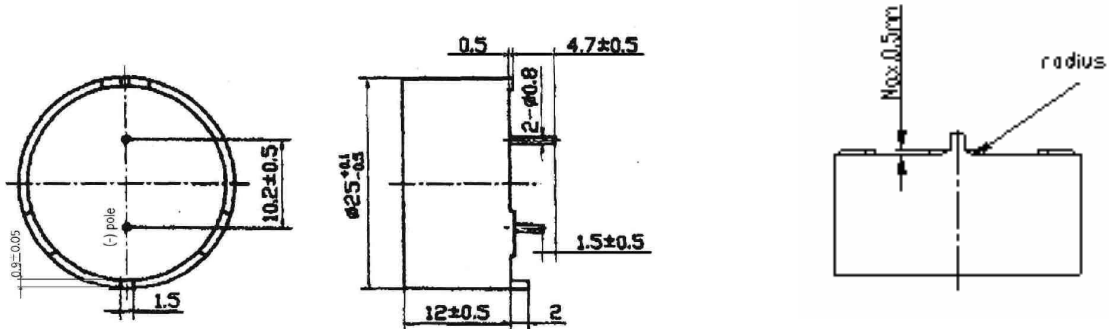


F/WEX-12/N

Technical terms *Technische Daten*

Operating voltage <i>Betriebsspannungsbereich</i>	8...16V
Rated Voltage <i>Nennspannung</i>	12V
a) Rated Current <i>Nennstrom</i>	≤ 55mA
b) Sound Output [SPL]at 10 cm <i>Lautstärke [Schalldruckpegel] in 10 cm</i> Tolerance <i>Toleranz</i> ± 1dB	87 – 93dB
Coil Resistance <i>Wicklungs-Widerstand</i>	120 ± 16 Ω
c) Coil Impedance <i>Wicklungs-Impedanz</i>	155 ± 20%
Resonant Frequency <i>Resonanzfrequenz</i>	740Hz
Operating Temperature <i>Betriebs-Temperatur</i>	-40 ...+85 °C
Storage Temperature <i>Lagerungs-Temperatur</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) <i>Wert bei angelegter Nennspannung (1000 Hz, ½ Tastverhältnis, Rechteck)</i>	
b) Value applying 740Hz, square wave 12V with 15% duty <i>Wert bei angelegten 740Hz, Rechteckspannung 12V mit 15% Tastverhältnis</i>	
c) Value applying (1000 Hz, sine wave, measuring current 60 µA) <i>Angelegter Wert (1000Hz, Sinus, Meßstrom 60 µA)</i>	

Drawings *Zeichnungen*



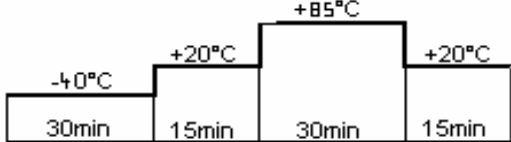
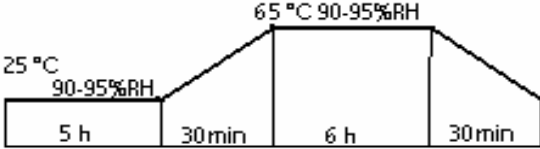
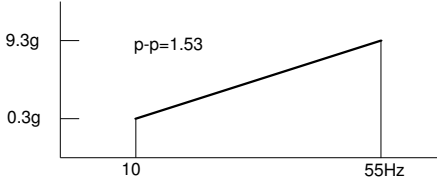
Diese Zeichnung ist unser Eigentum. Vervielfältigung unbefugte Verwertung, Mitteilung an andere ist strafbar und Schadensersatzpflichtig

DIGISOUND	Halbzeug, Werkstoff				Untolerierte Maße	Zeichn.-Nr. 990817.1B
					Maßstab	Ersatz f. Zeichn. Page Blatt 1 of von 2
Tag	Name	And. zust.	And.-Mittlg. Nr.	Tag	Name	F/WEX-12/N
gezeichnet		01	drawing	24.08.99		
bearbeitet	17.08.99		Nose dim	14.02.03	RH	
geprüft	17.08.99					
normgepr.						


Vervielfält.-Pause Nr.

Arbeitspause Nr.

Reliability 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 12V _{DC} , 740Hz with duty of 15%.	All specifications must be satisfied in this condition.
Life test in high temp.	Operate continuously in +85°C for 500 hours applying 12V _{DC} , 740Hz with duty of 15%.	All specifications must be satisfied in this condition.
Life test in low temp.	Operate continuously in -40°C for 500 hours applying 12V _{DC} , 740Hz with duty of 15%.	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 : 250°C Heat applying time : 3sec	All specifications must be satisfied in this condition.

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

	Halbzeug, Werkstoff		Untolerierte Maße		Zeichn.-Nr. 990817.1B	
			Maßstab		Ersatz f. Zeichn. Page Blatt 2 of 3	
Vervielfält.-Pause Nr.	Tag	Name	And. zust.	And.-Mittlg. Nr.	Tag	Name
	gezeichnet		01	drawing	24.08.99	
Arbeitspause Nr.	bearbeitet	17.08.99	02	Nose dim	14.02.03	RH
	geprüft	17.08.99				
	normgepr.					
F/WEX-12/N Reliability						