

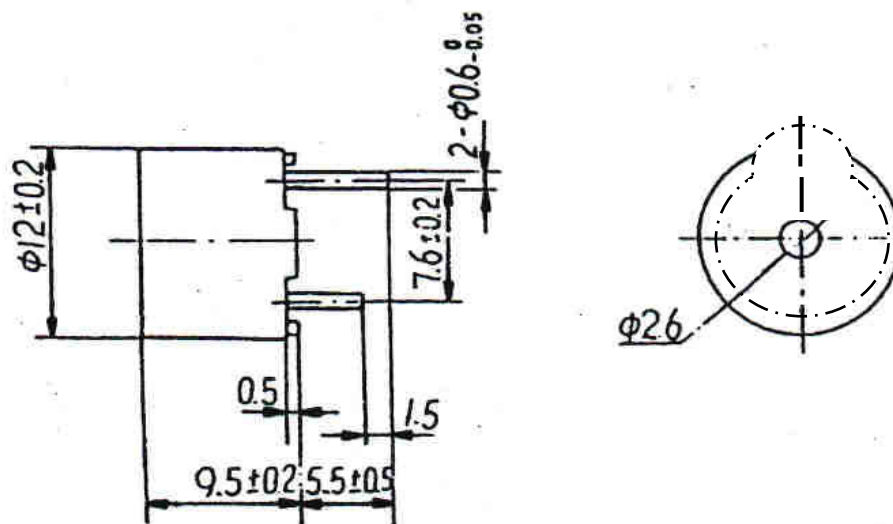
F/TCW05 LF

Technical terms *Technische Daten*

Rated Voltage <i>Nennspannung</i>	5V
Operating voltage <i>Betriebsspannungsbereich</i>	4...6.5V
a) Rated Current <i>Nennstrom</i>	≤30mA
a) Sound Output [SPL] at 10 cm <i>Schalldruckpegel] in 10 cm</i>	≥85dB
a) Resonant Frequency <i>Resonanzfrequenz</i>	2300 ± 300Hz
b) Response time <i>Anschwingzeit</i>	≤50msec
Operating Temperature <i>Betriebs-Temperatur</i>	-40 ...+85 °C
Storage Temperature <i>Lagerungs-Temperatur</i>	-40 ...+85 °C
Inductance <i>Induktivität</i>	3.6 ± 0.5mH
Weight <i>Gewicht</i>	2g
Polarity <i>Polarität</i>	marked by a plus sign on the housing Markiert mit einem Plus Zeichen am Gehäuse.

- a) Value applying rated voltage (DC)
Wert bei angelegter Nennspannung (DC)
b) Value applying minimum operating voltage (DC)
Wert bei angelegter minimaler Betriebsspannung (DC)

Drawings *Zeichnungen*



Halbzeug, Werkstoff

Untolerierte Maße

Zeichn.-Nr.

050126.2B

Maßstab

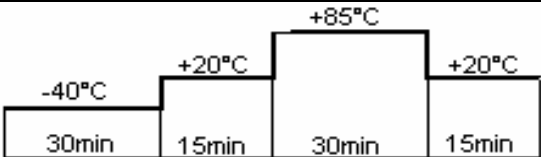
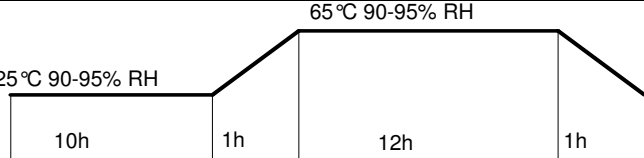
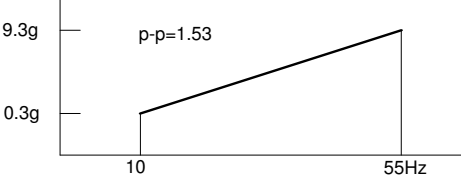
Ersatz f.
Zeichn.

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	Tag	Name	And. zust.	And.-Mittlg. Nr.	Tag	Name
gezeichnet			1	Reliability	17.03.05	FM
bearbeitet	26.01.05	FM	2	Wave	02.03.06	FM
geprüft						
normgepr.						

F/TCW05 LF

Reliability *Zuverlässigkeit*

Item	Method of test	Standard
Storage in high temperature	Storage in +85°C test box for 96hours, then expose to the room temperature for 2hours without applying power.	All specifications must be satisfied in this condition.
Storage in low temperature	Storage in -40°C test box for 96hours, then expose to the room temperature for 2hours without applying power.	All specifications must be satisfied in this condition.
Life test in room temperature	Operate continuously for 1000 hours with applying rated voltage.	All specifications must be satisfied in this condition.
Life test in high temperature	Operate continuously in +85°C for 500hours applying 6.5V.	All specifications must be satisfied in this condition.
Life test in low temperature	Operate continuously in -40°C for 500hours applying 4V.	All specifications must be satisfied in this condition.
Temperature cycle test	 Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.	All specifications must be satisfied in this condition.
Humidity cycle test	 Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.	All specifications must be satisfied in this condition.
Vibration test	 Make this test for the directions X,Y and Z for 30minutes each. To- and -fro sweep time is 1min.	All specifications must be satisfied in this condition.
Drop test	Drop a buzzer naturally from the height of 700mm to the surface of 10 mm thick woodenboard. Three directions (X,Y &Z)	All specifications must be satisfied in this condition.
Solderability	Temperature: 245 ± 5°C Duration: 3 sec After test minimum 95% coverage of surface	All specifications must be satisfied in this condition.
Resistance against solder-heat	<u>Pins:</u> No deterioration after dipping in solder 265±5°C for 10sec. <u>Housing:</u> Maximum temperature on housing: 110°C	All specifications must be satisfied in this condition
Pin Strenght	Each Pin may withstand against pulling force of 1kg for 30seconds	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.

050126.2B

Maßstab

Ersatz f.
Zeichn.

Vervielfält.-Pause
Nr.

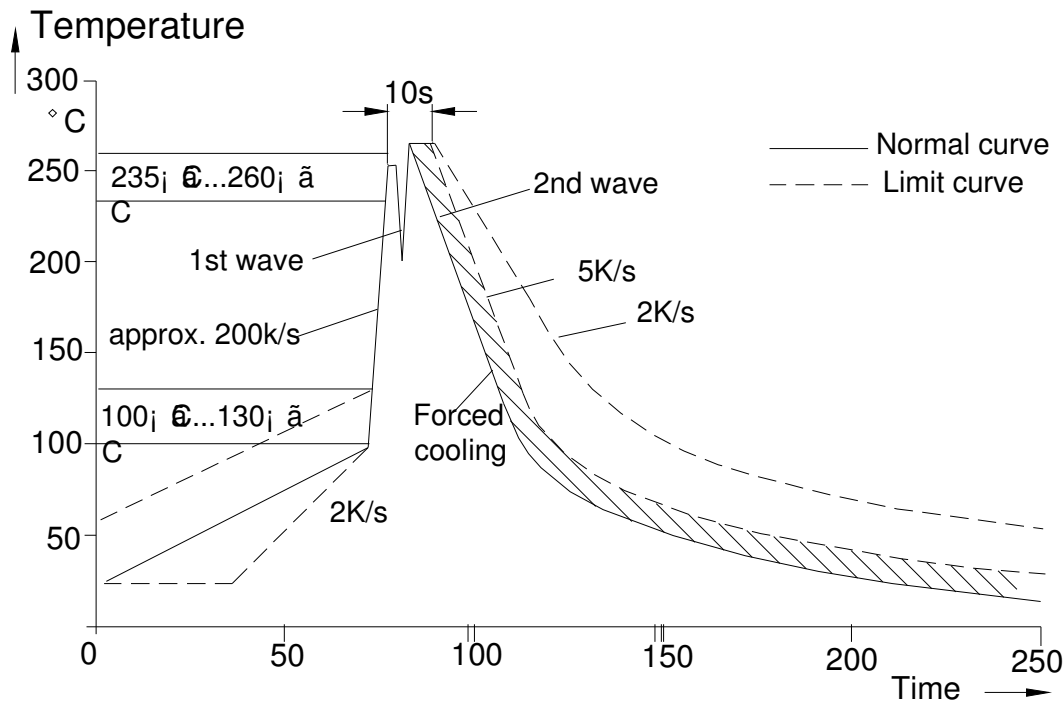
Arbeitspause Nr.

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bearbeitet	26.01.05	FM	2	Wave	02.03.06	FM
geprüft						
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F/TCW05 LF

Soldering condition *Lötbedingung*

Wave soldering *Schwallöten*:



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			Halbzeug, Werkstoff				Untolerierte Maße		Zeichn.-Nr. 050126.2B	
							Maßstab		Ersatz f. Zeichn.	
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Arbeitspause Nr.