

Piezo-THT-Buzzer with oscillator

Replacement for F/CM04P

Electrical and Acoustical Parameter

Rated Voltage	12 VDC
Operating Voltage	3 - 20 VDC
Current Consumption	≤15 mA *
Sound Pressure Level	≥90 dB(A) at 10 cm *
Oscillator Frequency	3400 ±500 Hz *
Tone	Continuous Tone
Test Condition	20 ±2 °C, 40 - 70 %RH, 860 - 1060 hPa
Remark	*Applying rated voltage

Mechanical and Environmental Parameter

Contact / Wire	Pin
Operating Temperature	-30 to +70 °C
Storage Temperature	-30 to +80 °C
Housing Material	PBT
Housing Colour	Black
Component Weight	2.8 g



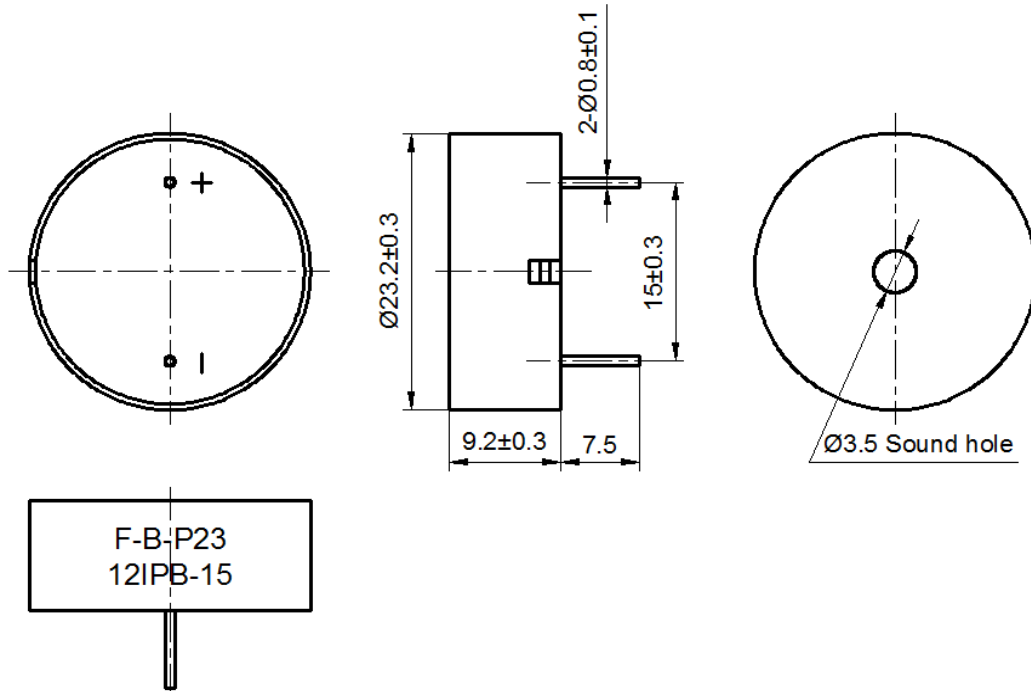
Created by	TF	28.07.2021	Copyright DIGISOUND-Electronic GmbH All specifications are subject to change without notice	Revision: 00
Changed by			Drawing Number: 210728.1BDB	Page 1 / 4
Approved by	PB	28.07.2021		

Piezo-THT-Buzzer with oscillator

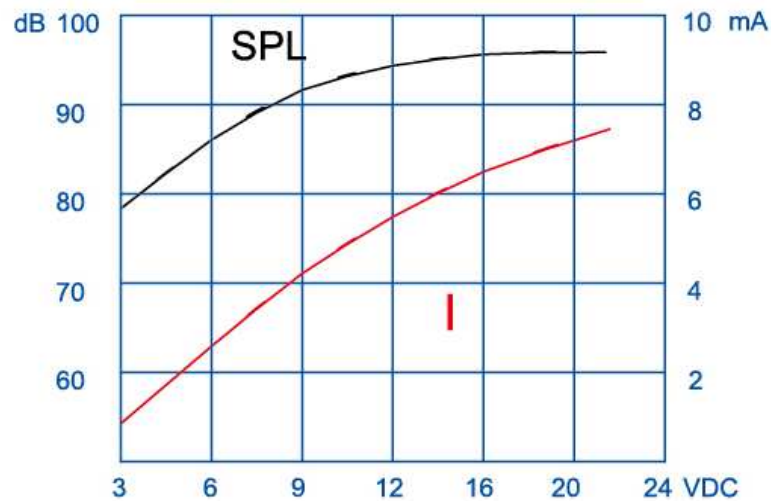
Replacement for F/CM04P

Drawing of Component

Unit: mm Tolerance: ± 0.5 mm Except Specified



Schematic Diagrams and Characteristics

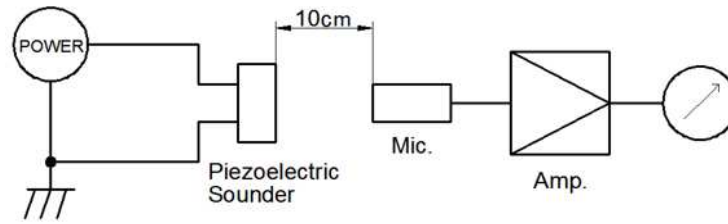


Created by	TF	28.07.2021	Copyright DIGISOUND-Electronic GmbH All specifications are subject to change without notice	Revision: 00
Changed by			Drawing Number: 210728.1BDB	Page 2 / 4
Approved by	PB	28.07.2021		

Piezo-THT-Buzzer with oscillator

Replacement for F/CM04P

Test Method



MIC: ND10 Sound Meter or equivalent
 DC Power Supply: QJ6003S or equivalent

Reliability Test

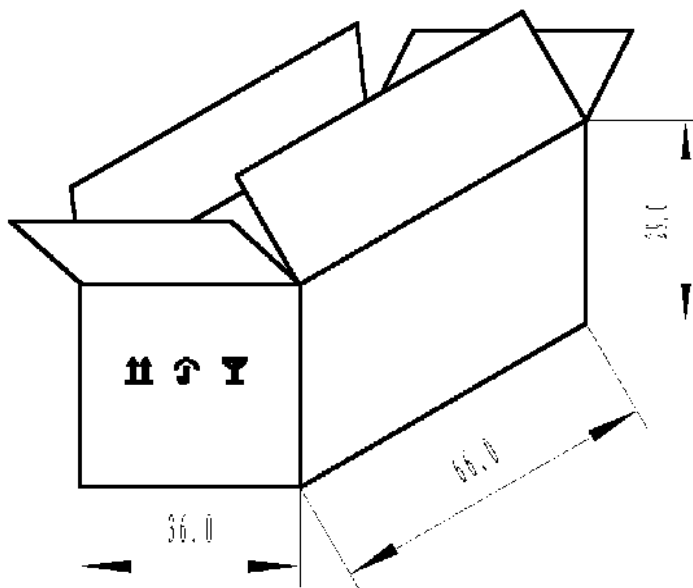
TEST	TESTING CONDITION	VARIANCE AFTER TEST
Humidity	+40 ±2 °C, 93 (+2/-3) %Rh, 96 HRS	After being placed for 4 hrs at room temperature, the product shall meet specifications, except the SPL should be in ±10 dB compared with initial one.
High temp.	+80 ±2 °C, 96 HRS	
Low temp.	-30 ±2 °C, 96 HRS	
Temperature cycling	-30 ±2 °C, 30 minutes Room temp. 15 minutes +80 ±2 °C, 30 minutes Room temp. 15 minutes 5 cycles	
Drop test	3 times from height of 70 cm onto the surface of 10 mm thick wooden board.	After the test part shall meet specifications, except the SPL should be in ±10 dB compared with initial one.
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 55 to 10) under single amplitude of 10 mm is 3 minute.	After the test , the SPL of the part shall meet specifications.
Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 260 ±5 °C for a period of 10 seconds. Refer to GB2423.28.	After the test part shall meet specifications without any degradation in appearance and performance.

Created by	TF	28.07.2021	Copyright DIGISOUND-Electronic GmbH All specifications are subject to change without notice	Revision: 00
Changed by			Drawing Number: 210728.1BDB	Page 3 / 4
Approved by	PB	28.07.2021		

Piezo-THT-Buzzer with oscillator

Replacement for F/CM04P

Packaging Information



NOTES:

1. 500 PCS per box
2. Total 40 boxes per carton
3. Total 2000 PCS per carton

Revision Table

Revision Nr.	Reason - Procedure Change description	Date	Name

Created by	TF	28.07.2021	Copyright DIGISOUND-Electronic GmbH All specifications are subject to change without notice	Revision: 00
Changed by			Drawing Number: 210728.1BDB	Page 4 / 4
Approved by	PB	28.07.2021		