



Product Specification

Ningbo East Electronics Limited

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Product Name:	External-Driver Piezo Transducer
Part Number:	MFT-202P
Version:	1.01
Date:	2015-2-2
Note:	

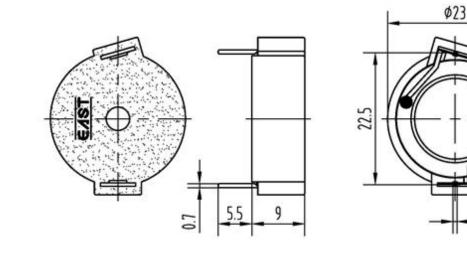
Company passed ISO 9001 / ISO TS16949 / ISO 14001Certifications

Revision History

Rev.	Description	Author/Date	Checked By	Approver
1.01	Quality Certificate Symbol revised	刘宁 2015-2-2	汤礼东	王建成
1.0	Released	陈启旺 2012-4-5	汤礼东	王建成

1. Part Number MFT-202P

2. Dimension Drawing (Unit: mm)



3.Specification

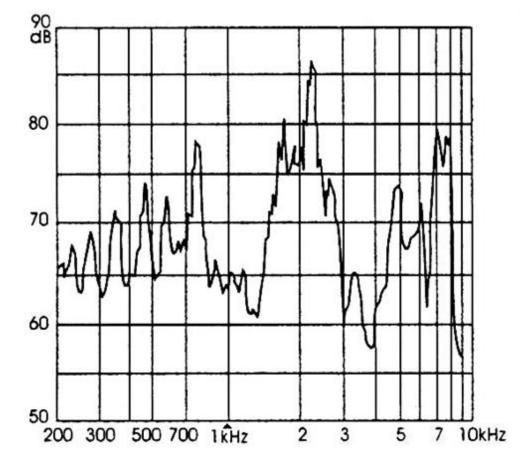
No.	Item	Specification
3-1	Min. Sound Pressure Level	75dB/2048Hz/10Vp-p Square Wave /30cm
3-2	Capacitance	24nF±30%(120Hz)
3-3	Allowable Input Voltage	40Vp-p
3-4	Max. Consumption	3mA/2048Hz/10Vp-p Square Wave
3-5	Resonant Frequency	1.8~2.5 kHz
3-7	Operating Temperature	-20~+70°C
3-8	Case Material/Color	PC (141R)/Black
3-9	Weight	2.7g
3-10	Pin Strength	More than 10N

0.7

NOTES:

Test should be made under the conditions of room temperature $(20\pm10^{\circ}C)$, normal humidity $(60\pm20\%)$ and normal atmospheric pressure. In this case, however, that the judgment is questionable, the test conditions are to be changed to room temperature $20\pm2^{\circ}C$, relative humidity $60\sim70\%$ and normal atmospheric pressure

4. Typical Frequency Response Curve



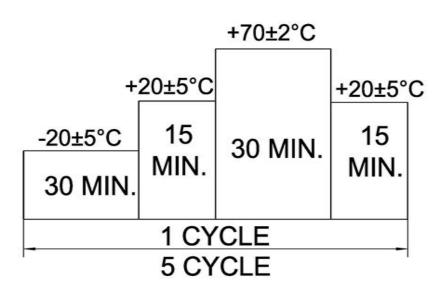
Note:Distance 30 cm

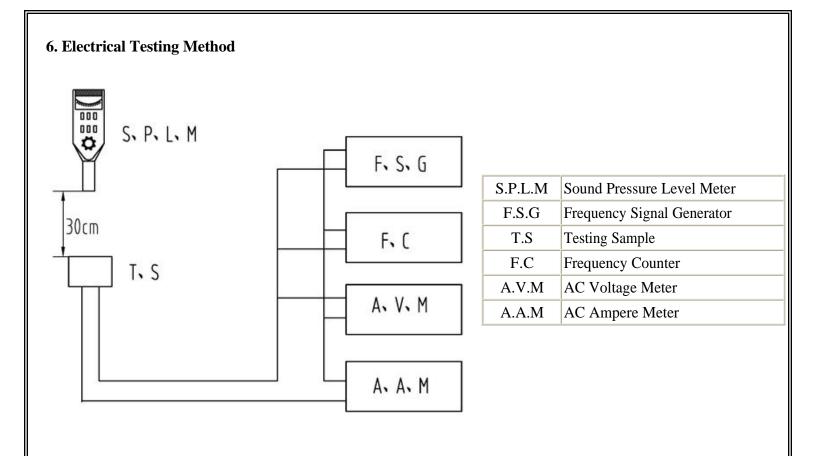
5. Reliability Test

No.	Item	Method of Test	Tolerance after Testing	
5-1	Operating Temperature	-20~+70°C	Sound pressure level	
5-2	Storage in high temperature	Storage in $+70^{\circ}$ C test box 96 hours then exposed to the room temperature for 2 hours	 initial value ±10dB Max. consumption value ±20% Oscillating frequency value±20% 	
5-3	Storage in low temperature	Storage in -20°C test box 96 hours then exposed to the room temperature for 2 hours		
5-4	Life test in the room temperature	Operate the product continuously 5 seconds on 5 seconds off 300 hours at rated voltage		

) cycle test en	Conduct the test for 5 cycles without applying power then xpose to the room temperature for 2 hours.(See Figure 5-6) Conduct the test for the directions of X Y and Z for 0.5 hour ach (total 1.5 hours). To-and Fri sweep time(from 10 to 55Hz nd then 55 to 10) under single amplitude of 0.75mm is 3 ninute, then expose to the room temperature for 2 hours Drop a product naturally from the height of 700mm onto the	-
n test ea ar m D	ach (total 1.5 hours). To-and Fri sweep time(from 10 to 55Hz nd then 55 to 10) under single amplitude of 0.75mm is 3 ninute, then expose to the room temperature for 2 hours Drop a product naturally from the height of 700mm onto the	-
51		-
ai	urface of 100mm thick wooden board. Two directions: upper nd side of the product are to be applied for this drop test once espectively	
-		-
soldering		Solder shall be attached around over 95% of the dipped portion
	a re g heat D se test se soldering D soldering Se	and side of the product are to be applied for this drop test once respectively g heat Dip the connecting pins in soldering at 260±5°C for 10±1 seconds Dip the connecting pins in soldering at 230±5°C for 3±0.5







7. Packing Information

Packing: 3000 pcs per export carton Carton Size: 47× 30.5× 31 cm G. Weight: 10.1kgs N. Weight: 6.7 kgs