



SPECIFICATION

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MEC

The Electro-magnetic Audio Transducer including all material and solder joints must be free from lead and other restricted substances as per customer requirement.

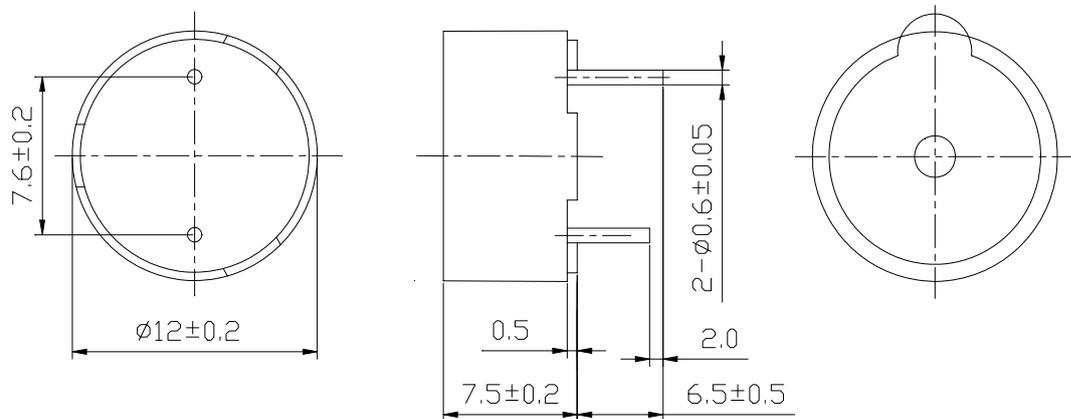
● Technical terms

Type	HCM1203BX-G
Rated Voltage (V)	3
Operating Voltage (V)	2~5
*Rated Current (mA)	Max.30
*Sound Output at 10cm (dB)	Min.82
* Resonant Frequency (KHz)	3.1±0.3
Δ Response Time (ms)	Max.50
Operating Temperature (°C)	-20~+70
Storage Temperature (°C)	-25~+80
Weight (g)	2

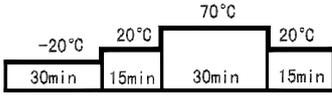
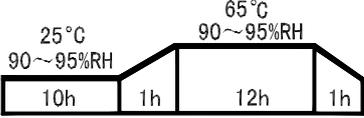
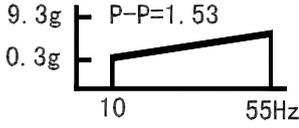
* Value applying rated voltage (DC)

Δ Value applying (Min. operating DC.voltage)

DI MENS IONS Uhi t : mm



Reliability test

ITEM	METHOD OF TEST	STANDARD
Storage in high temp	Storage in +80° 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 -25° 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 1000 hours with applying rated voltage .	All specifications must be satisfied in this condition .
Life test in high temp	Operate continuously in +70° C for 500 hours applying 5V.	All specifications must be satisfied in this condition .
Life test in low temp	Operate continuously in -20° C for 500 hours applying 2V	All specifications must be satisfied in this condition .
Temperature cycle test	 <p>Make this test 5 cycles 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 5 cycles without applying power , then expose to the room temperature for 2 hours .</p>	All specifications must be satisfied in this condition .
Vibration	 <p>Make this test for the directions of 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 1 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 : 3 sec .	All specifications must be satisfied in this condition .

