查询CMT-1303供应商

捷多邦,专业PCB打样工厂,24小时加急出货



Part No: CMT-1303

Description: piezo audio transducer

Date: 9/12/2006 Unit: mm Page No: 1 of 6

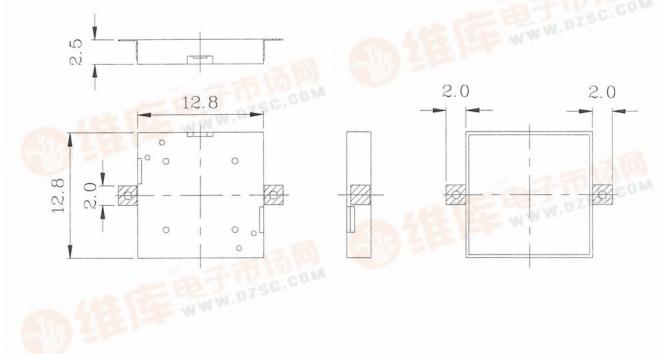


Specifications

Operating voltage	25 Vp-p max.		
Current consumption	5 mA max.	at 5 Vp-p, square wave, 4.1 KHz	
Sound pressure level	70 db min.	at 10 cm / 5 Vp-p, square wave, 4.1 KHz	
Electrostatic capacitance	16,000 pF ±30%	at 1 KHz / 1 V	
Operating temperature	-20 ~ +70° C		
Storage temperature	-30 ~ +80° C		
Dimensions	ø12.8 x W12.8 x H2.5 mm	- 57	
Weight	0.5 g max.	-=====	
Material	LCP (White)	D-TIL COM	
Terminal	SMD Type	DZSU DZSU	
RoHS	yes	WWWW	

Appearance Drawing

Tolerance: ±0.2



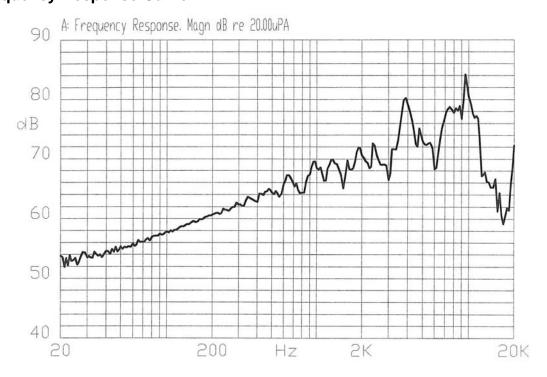


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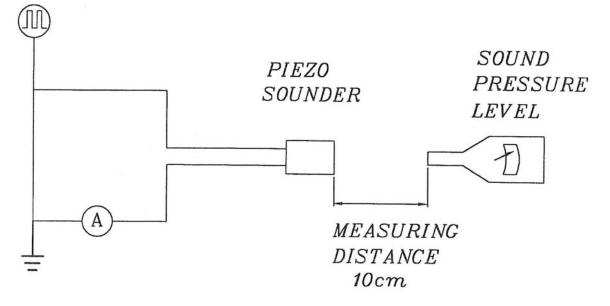
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Date: 9/12/2006 Unit: mm Page No: 2 of 6

Typical Frequency Response Curve



Measurement Method



S.P.L. Measuring Circuit Input Signal: 5 V p-p, 4.1 KHz, Square Wave Mic: RION UC 30 S.G.: Hewlett Packard 33120A Function Generator or equivalent



Part No: CMT-1303

Date: 9/12/2006 Unit: mm Page No: 3 of 6

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ltem	Test Condition	Evaluation Standard
Solderability	Lead terminals are immersed in rosin for	95% of the surface of the lead
	5 seconds and then immersed in solder bath	pads must be covered with
	of 230 \pm 5°C for 2 \pm 0.5 seconds.	fresh solder.
Soldering Heat Resistance	1) IR Reflow	
	Pre-heating conditions should be 140~160°C for	
	60 to 120 seconds. Ascending time up to	
	200°C should be longer than 30 seconds.	
	Heating conditions should be within 10 seconds	
	at 230°C min. Peak temperature should be	
	235°C. Then, place leave the buzzer in natural	
	conditions for 1 hour before measuring.	
	, and the second s	No interference in operation.
	2) Soldering Iron	
	Soldering iron of 270 ±5°C should be placed	
	0.5mm above the buzzer's electrode. Melting	
	solder through the soldering iron should be	
	applied to the electrode for 3±1 seconds. Then,	
	place the buzzer in natural conditions for	
	4 hours before measuring.	
Terminal Mechanical Strength	For 10 seconds, the force of 9.8N (1.0kg) is	No damage or cutting off.
	applied to each terminal in axial direction.	
Vibration	The buzzer shall be measured after applying	The value of oscillation
	a vibration amplitude of 1.55 mm with 10 to	frequency/current consumption
	55 Hz band of vibration frequency for 1 minute	should be $\pm 10\%$ of the initial
	to each of the 3 perpendicular directions for	measurements. The SPL shoul
	2 hours.	be within ±10dB compared with
		the initial measurement.



Part No: CMT-1303

Description: piezo audio transducer

Date: 9/12/2006 Unit: mm Page No: 4 of 6

Environment Test ltem Test Condition **Evaluation Standard** High temp. test After being placed in a chamber at +80°C for 240 hours. Low temp. test After being placed in a chamber at -30°C for 240 hours. Humidity test After being placed in a chamber at +40°C and 90±5% relative humidity for 240 hours. The buzzer will be measured after Temp. cycle test The part shall be subjected to 5 cycles. One being placed at +25°C for 4 cycle will consist of: hours. The value of the oscillation frequency/current +80°C consumption should be ±10% compared to the initial measurements. The SPL should +20°C be within ±10dB compared to the initial measurements. -30°C 15 30 30 15 Unit : minute

Reliability Test

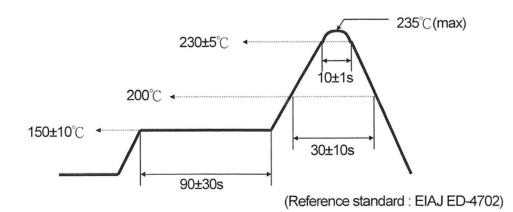
Item	Test Condition	Evaluation Standard
Operating (Life Test)	1. Continuous life test:	The buzzer will be measured afte
	The part will be subjected to 48 hours of	being placed at +25°C for 4
	continuous operation at +55°C with rated voltage applied.	hours. The value of the oscillation frequency/current consumption should be ±10%
	2. Intermittent life test:	compared to the initial
	A duty cycle of 1 minute on, 1 minute off, a	measurements. The SPL should
	minimum of 5,000 times at room temp	be within ±10dB compared to
	$(+25 \pm 2^{\circ}C)$ with rated voltage applied.	the initial measurements.

Test Conditions

Standard Test Condition	a) Tempurature: +5 ~ +35°C	b) Humidity: 45 - 85%	c) Pressure: 860-1060 mbar
Judgement Test Condition	a) Tempurature: +25 ±2°C	b) Humidity: 60 - 70%	c) Pressure: 860-1060 mbar



Recommended Temperature Profile for Reflow Oven





Part No: CMT-1303

Date: 9/12/2006 Unit: mm Page No: 6 of 6

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Packaging

