



## 广州市番禺奥迪威电子有限公司

Audiowell Electronics (Guangzhou) Co., Ltd.

地址: 中国广东省广州市番禺区迎宾路东升工业区 邮政编码: 511400  
 Add: Dongsheng Industrial Park, Yingbin Road, Panyu, Guangzhou 511400, China  
 Tel: +86-20-84802041 84802405 84871596 34516785 Fax: 84665207

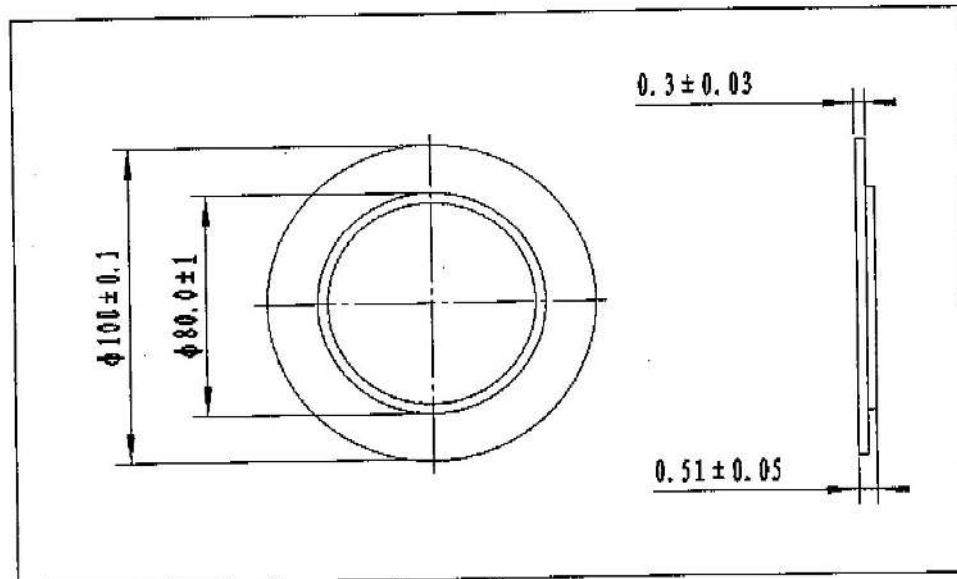


## PIEZO ELEMENT SPECIFICATIONS

### ■MODEL: AW1E100T-05E

Resonant frequency	$F_r$	$0.5 \pm 0.15 \text{kHz}$
Main electrostatic capacity	$C_0$	$400 \pm 30\% \text{ nF at } 1000\text{Hz/1V}$ 25°C
Feedback electrostatic capacity	$C_f$	-----
Resonant impedance	$R$	$300 \Omega \text{ MAX.}$
Metal plate material		Brass
Metal plate diameter	mm	$100.0 \pm 0.10$
Metal plate thickness	mm	$0.30 \pm 0.03$
Ceramic diameter	mm	$80.0 \pm 1.0$
Total height	mm	$0.51 \pm 0.05$
Insulation resistance		$100\text{M} \Omega \text{ MIN.}$
Maximum input voltage		$30\text{Vp-p}$
Operating temperature range		$-20^\circ\text{C to } +70^\circ\text{C}$
Storage temperature range		$-30^\circ\text{C to } +80^\circ\text{C}$
Lead wires		-----

### ■APPEARANCE AND DIMENSIONS:



# PANYU AUDIOWELL ELECTRONICS CO.LTD

## SAMPLES TEST REPORT

**MODEL:** Piezo element  
**Qty:** 10PCS

**TYPE:** AW1E100T-05E  
**Md.F:** AW

Item	D	T	t	Fr	R	Cm	Cf	Remark
Unit	mm	mm	mm	KHz	Ω	nF		
1	100.00	0.496	0.300	0.54	150	402		
2	100.00	0.489	0.300	0.59	135	391		
3	100.00	0.489	0.300	0.54	147	387		
4	100.00	0.485	0.300	0.52	100	412		
5	100.00	0.486	0.300	0.53	116	382		
6	100.00	0.480	0.300	0.56	109	395		
7	100.00	0.497	0.300	0.56	109	394		
8	100.00	0.496	0.300	0.53	159	382		
9	100.00	0.485	0.300	0.59	157	394		
10	100.00	0.487	0.300	0.50	144	406		
MAX	100.00	0.497	0.300	0.59	159	412		
MIN	100.00	0.480	0.300	0.50	100	382		
AVERAGE	100.00	0.489	0.300	0.55	132	395		

INSPECTOR:WEI

DATE: 2008.01.25  
 Page: 3/3