

# *MESSRS.*

---

## SPECIFICATION FOR APPROVAL

## 承 認 書

Product	PIEZO BUZZER ELEMENT
Part No.	AE-1265E-W
Customer Approval	

Approved By	Checked By	Made By



**ADVANCED ACOUSTIC TECHNOLOGY CORP.**

**苙 翔 科 技 股 份 有 限 公 司**



ISO 9001 Certified

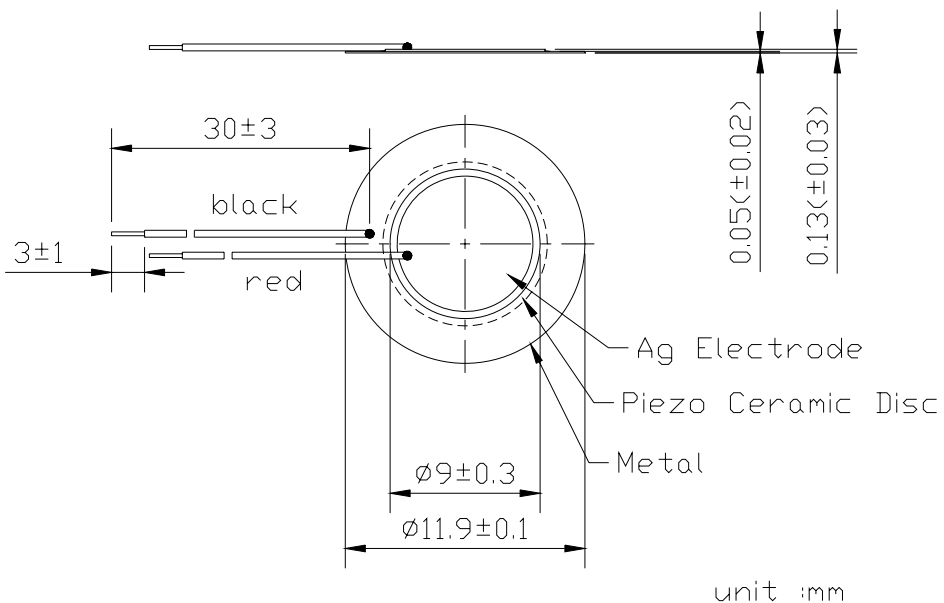
2F, No.207, Sec. 6, Chung Shan N. Rd., Taipei, Taiwan.

Tel: +886-2-88665255

Fax: +886-2-88665250

# AE-1265E-W

ITEM		CONDITION
01	Type.	External-drive type sound element
02	Resonant Frequency (KHz)	$6.5 \pm 1.5$ at $25 \pm 2^{\circ}\text{C}$ , 45~60% RH
03	Resonant Impedance (OHM)	1200 OHM Max. at $25 \pm 2^{\circ}\text{C}$ , 45~60% RH
04	Capacity (PF)	$13000 \pm 30\%$ at 1.0KHz 1Vrms
05	Input Voltage	30Vp-p Max
06	Plate Material	Brass
07	Lesd Wire Spec.	Awg32, UL1571
08	Operating Temperature ( $^{\circ}\text{C}$ )	-30 to +75
09	Storage Temperature ( $^{\circ}\text{C}$ )	-40 to +85



## ■ Piezo Ceramic Test Fixture

1. Resonant Freq. → YHP – 4192A at 1 Vrms
2. Resonant Imp. → YHP – 4192A at 1 Vrms
3. Capacitance → YHP – 4192A at 1 KHz (or 120Hz)

## ■ Piezo Ceramic Reliability Test

No.	Item	Condition	Variance after Conditioning
01	High temperature	+70°C±2°C , 240 hrs	Resonant freq.: Initial value ± 10%
02	Low temperature	-40°C±2°C , 240 hrs	
03	Humidity	+40°C±2°C , 90~95%RH , 240 hrs	
04	Thermal shock	-20°C±2°C (1hrs) → 20°C (5min) → 70°C±2°C (1hrs) → 20°C (5min) 20 cycles	Capacitance: Initial value ± 15%
05	Temp. dependence	On place -20~ +70°C rel. 20°C	Resonant freq.: ±15% Capacitance: 0.8% /°C

Test specimens shall be kept for 4 hrs. (25°C) before measurement.