
SPECIFICATION FOR APPROVAL

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

Approved By	Checked By	Made By

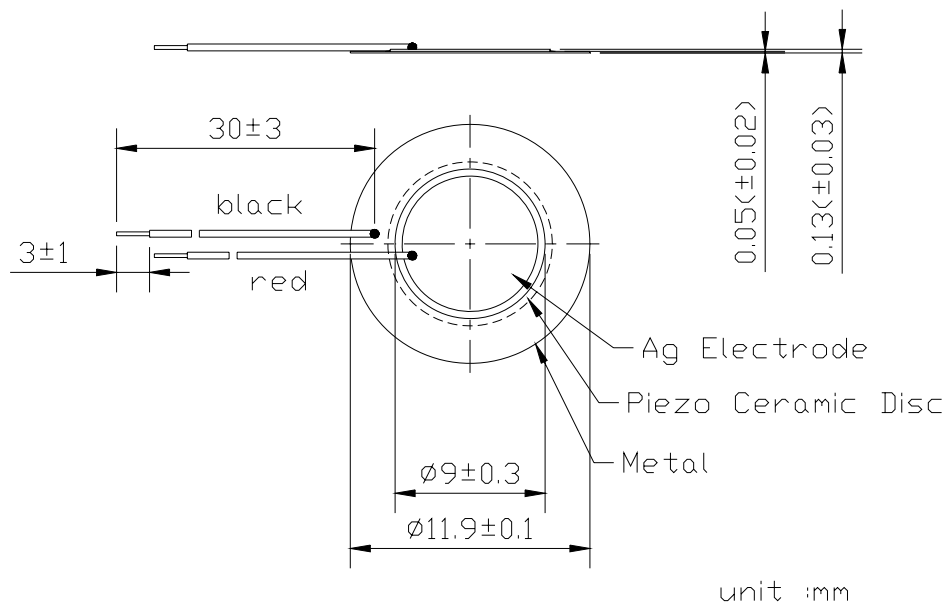


A & B Components

<http://www.speaker-tw.com>

AE-1265E-W

ITEM		CONDITION
01	Type.	External-drive type sound element
02	Resonant Frequency (KHz)	6.5 ± 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	$+70^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 240 hrs	Resonant freq.: Initial value $\pm 10\%$
02	Low temperature	$-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 240 hrs	
03	Humidity	$+40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 90~95%RH , 240 hrs	
04	Thermal shock	$-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (1hrs) $\rightarrow 20^{\circ}\text{C}$ (5min) $\rightarrow 70^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (1hrs) $\rightarrow 20^{\circ}\text{C}$ (5min) 20 cycles	Capacitance: Initial value $\pm 15\%$
05	Temp. dependence	On place $-20 \sim +70^{\circ}\text{C}$ rel. 20°C	Resonant freq.: $\pm 15\%$ Capacitance: $0.8\% / ^{\circ}\text{C}$

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