

# *MESSRS.*

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## SPECIFICATION FOR APPROVAL

## 承 認 書

Product	PIEZO BUZZER ELEMENT
Part No.	AE-2064E-N
Customer Approval	

Approved By	Checked By	Made By



**ADVANCED ACOUSTIC TECHNOLOGY CORP.**

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ISO 9001 Certified

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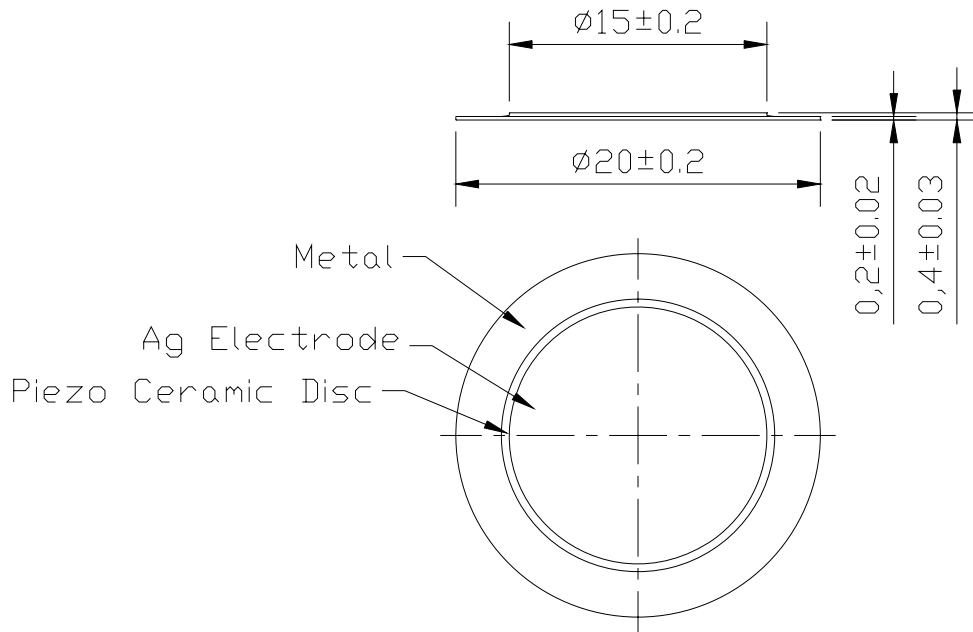
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# AE-2064E-N

ITEM		CONDITION
01	Type.	External-drive type sound element
02	Resonant Frequency (KHz)	6.4 $\pm$ 0.5 at 25 $\pm$ 2 $^{\circ}$ C , 45~60% RH
03	Resonant Impedance (OHM)	300 Max. at 25 $\pm$ 2 $^{\circ}$ C , 45~60% RH
04	Capacity (PF)	12000 $\pm$ 30% at 1.00KHz 1Vrms
05	Plate Material	Brass
07	Operating Temperature	-20 $^{\circ}$ C to +70 $^{\circ}$ C



unit :mm

## ■ Piezo Ceramic Test Fixture

1. Resonant Freq. → YHP – 4192A at 1 Vrms. (Sweep Frequency : 1KHz)
2. Resonant Imp. → YHP – 4192A at 1 Vrms. (Sweep Frequency : 1KHz)
3. Capacitance → YHP – 4192A at 1 KHz

## ■ Piezo Ceramic Reliability Test

No.	Item	Condition	Variance after Conditioning
01	High temperature	+85°C +/-2°C , 500 hrs	Resonant freq.: Initial value +/- 10%
02	Low temperature	-40°C +/-2°C , 500 hrs	
03	Humidity	+40°C +/-2°C , 90~95%RH , 500 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.