



广州市番禺奥迪威电子有限公司

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ISO 9001:2000
Certificate Registration No.
12 100 21875 TMS



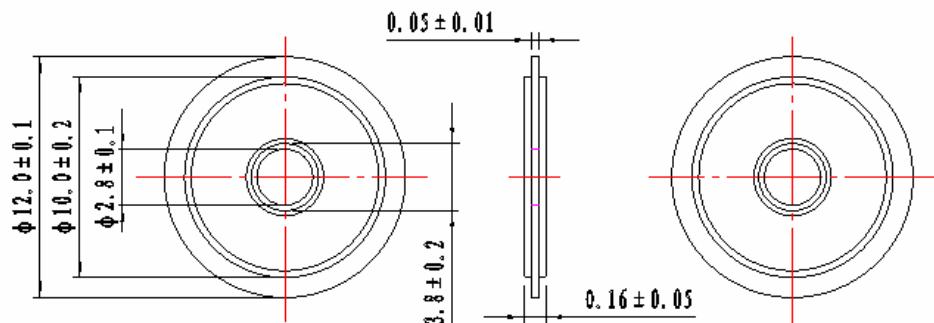
ISO/TS 16949:2002
IATF Certificate No.
0019903

PIEZO ELEMENT SPECIFICATIONS

MODEL: AW3E12T-58E2A

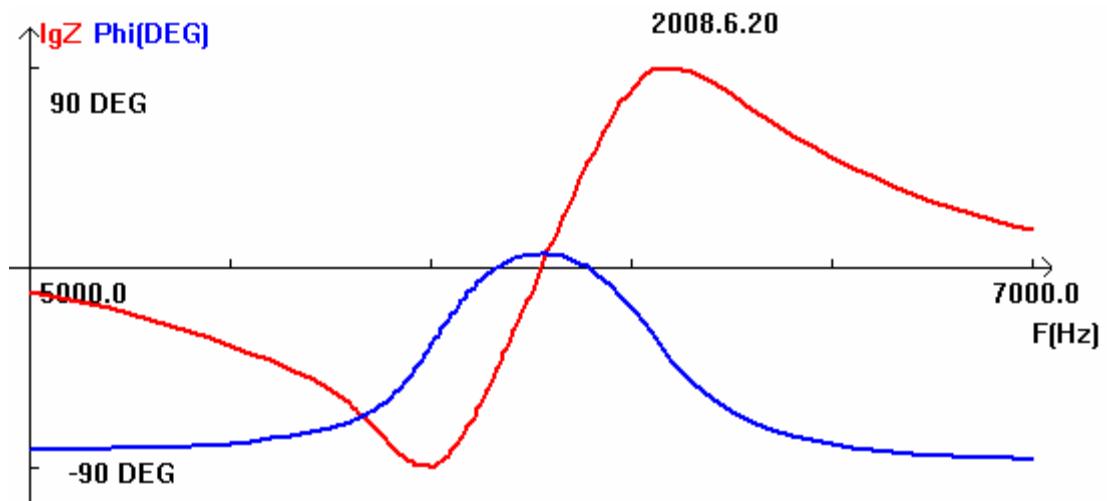
Item	Unit	Standard	(Test condition): $T=25^{\circ}\text{C}$
Resonant frequency	kHz	5.8 ± 1.0	PV70A
Main electrostatic capacity	pF	$35000 \pm 30\%$	Digital electric bridge At 1000Hz/1V
Resonant impedance	Ω	1500 MAX.	PV70A
Metal plate material	...	Brass	...
Metal plate diameter	mm	12.0 ± 0.10	Vernier caliper
Metal plate thickness	mm	0.05 ± 0.02	Micrometer
Ceramic diameter	mm	10.0 ± 0.20	Micrometer
Total height	mm	0.16 ± 0.05	Micrometer
Insulation resistance	$\text{M } \Omega$	100 MIN.	Insulation resistance tester At 50V
Maximum input voltage	Vp-p	30	...
Operating temperature range	$^{\circ}\text{C}$	-20 $^{\circ}\text{C}$ to +70 $^{\circ}\text{C}$...
Storage temperature range	$^{\circ}\text{C}$	-30 $^{\circ}\text{C}$ to +80 $^{\circ}\text{C}$...

APPEARANCE AND DIMENSIONS:



Remark: The Pb in ceramic is exempt, other ingredients are all ROHS compliant

■ TYPICAL FREQUENCY RESPONSE CURVE



■ MEASURING PROCEDURE

The node held with a measuring terminal, the resonant frequency and resonant impedance are measured in the constant-voltage circuit.

