
SPECIFICATION FOR APPROVAL

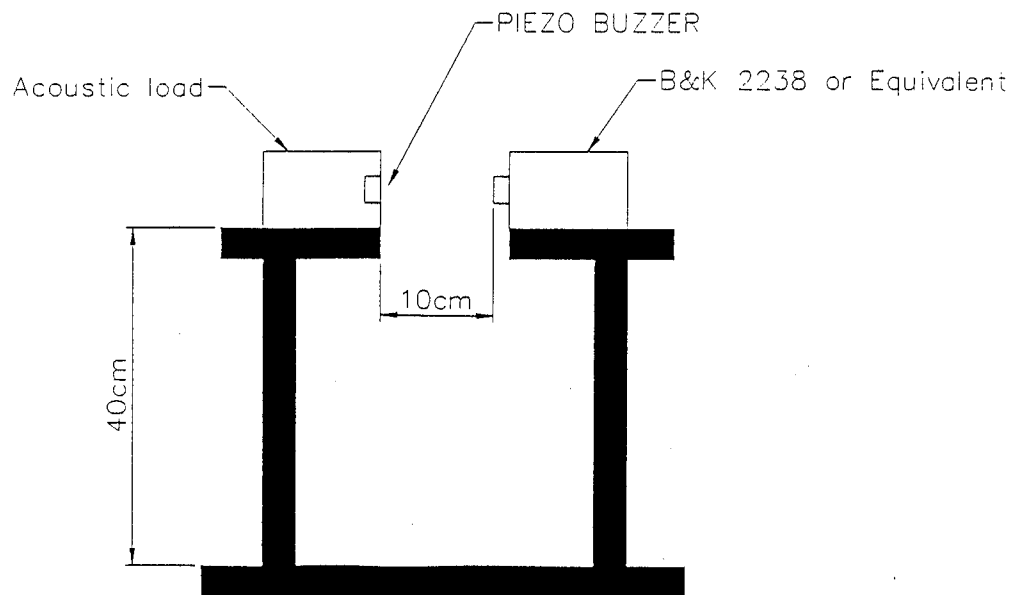
Product	PIEZO BUZZER
Part No.	1156
Customer Approval	

Approved By	Checked By	Made By

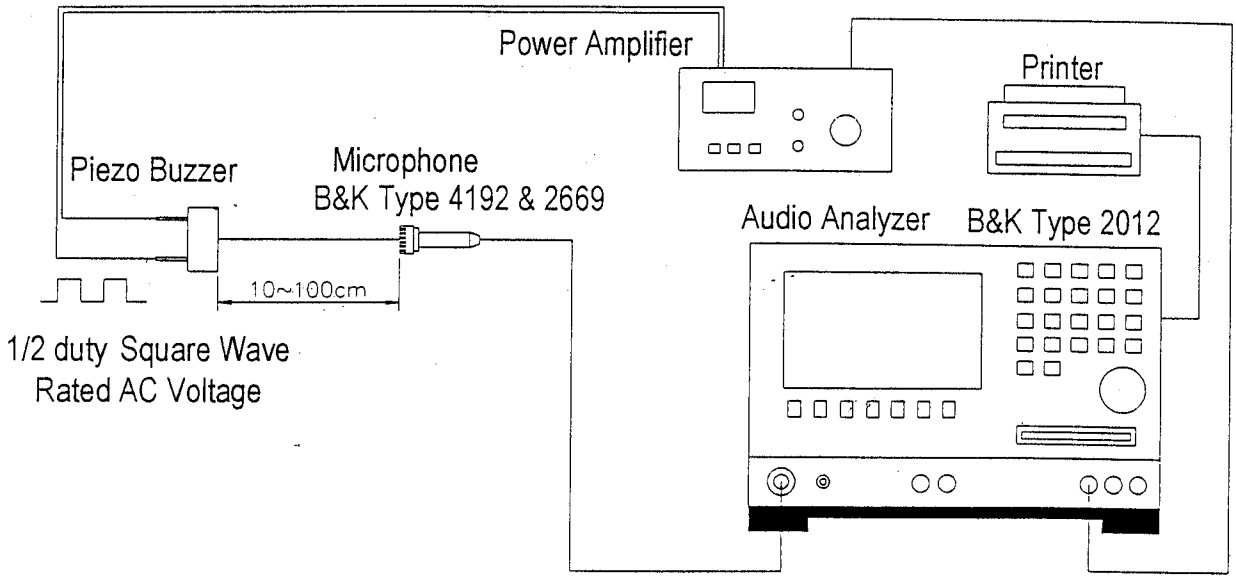
SHOGYO INTERNATIONAL CORP.

Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	10	
02	Operating Voltage(Max)	Vp-p	30	
03	Rated Current (Max)	mA	9	At 10Vp-p / 4KHz
04	Min Sound Output	dB	85	At 10cm / 4KHz
05	Resonant Frequency	Hz	4000±500	
06	Capacitance at 120Hz	pF	10000±30%	
07	Lead Wire / Lead pin Material	Phosphor Bronze		
08	Operating Temp.	°C	-20 ~ +70	
09	Storage Temp.	°C	-40 ~ +85	
10	Weight	g	1	

STANDARD TEST FIXTURE



Standard test condition of piezo buzzer



FREQUENCY RESPONSE CURVE

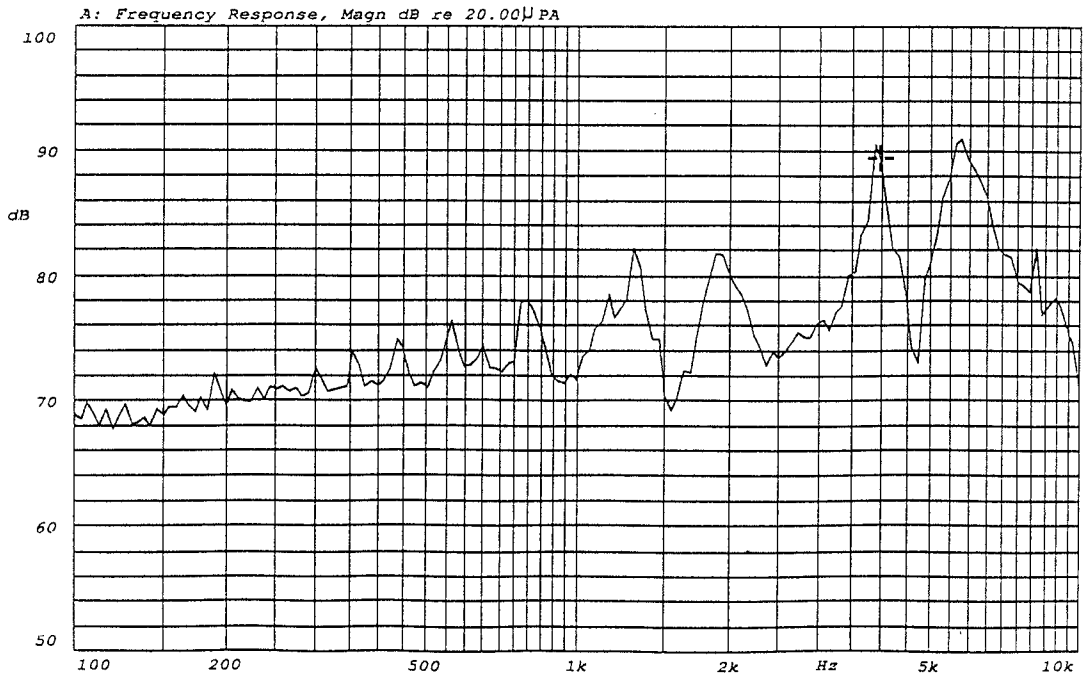
MODEL:1740E-PD

X:3.9811kHz

Y:89.46dB

ZA:Live Curve

SSR T. RMS



Mode: SSR

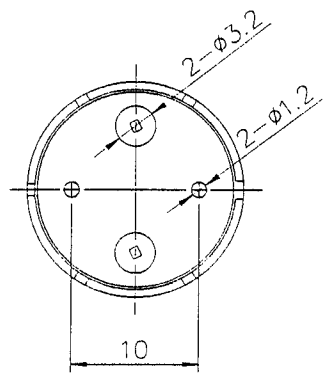
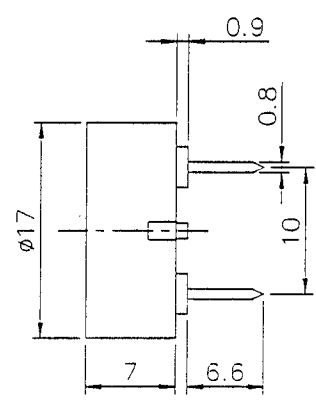


REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE: PIEZO BUZZER		DRAWN: <i>Millon</i> 08/14/2001	SCALE: 2:1	SHEET: 1 : 1
PART NO. 1156	1	DESIGNED: R & D OF AAT	UNITS: mm	
DWG NO. DTP-1055		CHECKED:	TOLERANCE ± 0.5	
	REV	APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
		MATERIAL: NORYL	ONE PLACE DECIMAL ± ...	
			TWO PLACE DECIMAL ± ...	
			THREE PLACE DECIMAL ± ...	

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RELIABILITY TEST

1156

Item	Conditions	Evaluation standard
01 Low Temp. Storage Test	A°C±2°C ,240Hr	(S.P.L)Test before numerical ±10dB *wrong (Frequency)Test before numerical ±10% (Current)Test before numerical ±10% (No crake is allowed on the part surface after Free drop test) ● After the test ,the part shall meet the specifications without any degradation in appearance and performance
02 High Temp.Storage Test	B°C±2°C RH50% ,240Hr	
03 Temp./Humidity Storage Test	40°C±2°C , RH90-95% 240Hr	
04 Thermal Shock Test	A°C±2°C (1Hr)→ ,20°C±2°C (1Hr) B°C±2°C (1Hr)→ ,20°C±2°C (1Hr)10 cycle	
05 Vibration Test	10-55Hz/1min amplitude1.5mm,X,Y,Z,3 directions	
06 Mechanical Shock Test	+100G,Sine wave, XYZ , 3 impacts per axis	
07 Free Drop Test	The part shall be dropped freely from a height of 75 cm onto concrete 1 time in 2 axes (total 4 times)	
08 Life Burning Test	The part shall be subjected to 1000 hrs in the room temp with rated voltage applied	
09 Lead Wire / Pin Pull Test	The Part checking standard : Following supplier's Spec. Finished-part checking Standard vertical Pull i)100g MIN 0.05mm Thickness of ceramic ii)300g MIN 0.1mm ≤ Thickness of ceramic b: Horizontal Pull i)700g MIN	

Remark : "A" means Storage low temp. "B" means Storage high temp

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