SPECIFICATION FOR APPROVAL

Description	:	Piezo Audio Transducer	
Customer's Model No.	:		
Specification No.	:	PKD-7622	
Number Of The Edition	:	1.3	

CUSTOMER'S APPROVED SIGNATURE		

Approved by	Checked by	Issued by
		陽志明 2019.10.29

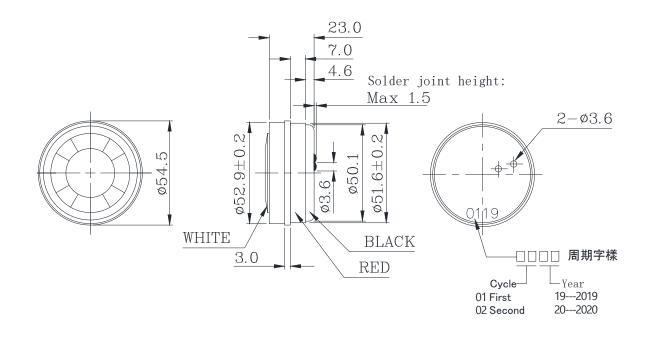
A. SCOPE

This specification applies piezo audio transducer, KPEG1600NC

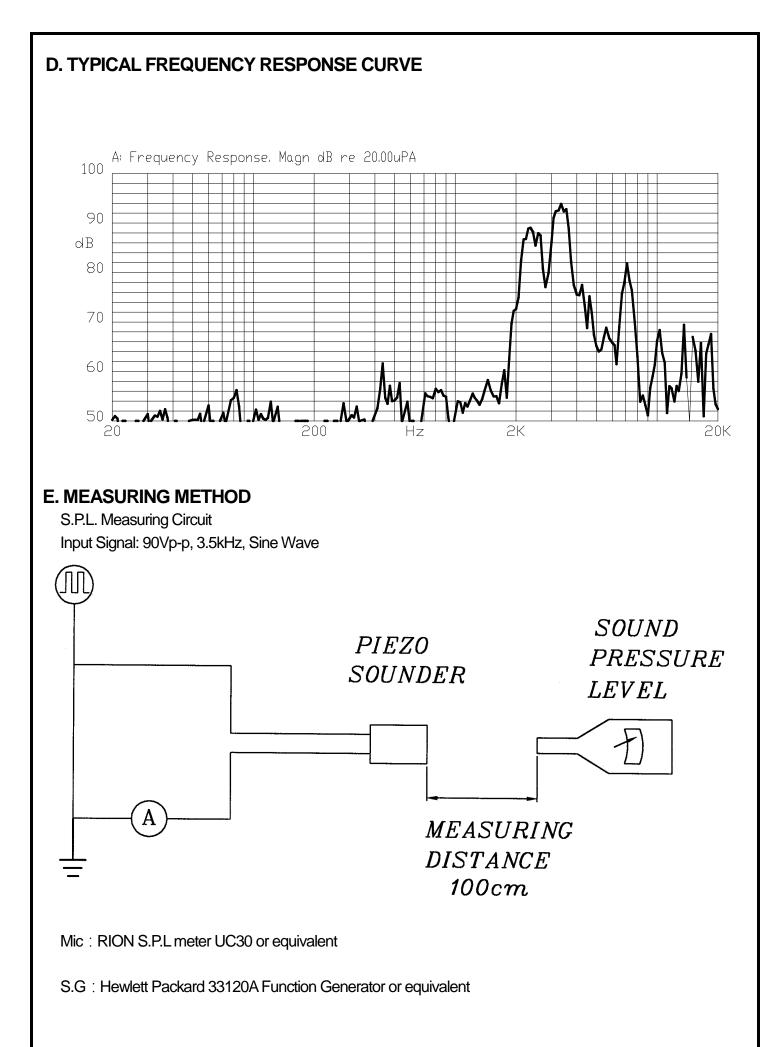
B. SPECIFICATION

No.	ltem	Unit	Specification	Condition
1	Operating Volt.	Vр-р	MAX. 150	
2	Current consumption	mA	MAX. 30	at 90Vp-p,sine wave,3.5KHz.
3	Sound pressure level	dB	MIN. 95	at 100cm/90Vp-p,sine wave,3.5KHz.
4	Electrostatic capacity	pF	30,000 ± 30%	at 1KHz/0.25V
5	Operating temp.	°C	-20 ~ +60	
6	Storage temp.	°C	-30 ~ +70	
7	Dimension	mm	φ 54.5 x H23.0	See appearance drawing
8	Weight (MAX)	gram	35.0	
9	Material		ABS UL-94 1/16" HB	
10	Terminal		Terminal	See appearance drawing
11	Environmental Protection Regulation		RoHS2.0	

C. APPEARANCE DRAWING







No.	ltem	Test Condition	Evaluation standard
1	Vibration		The value of oscillation frequency/ current consumption should be in $\pm 10\%$ compared with initial ones .The SPL should be in ± 10 dB compared with initial one.
2	Drop test		
G. EN	IVIRONMEN	T TEST	
No.	ltem	Test Condition	Evaluation standard
1	High temp. test	After being placed in a chamber at +70°C for 240 hours	
2	Low temp. test	After being placed in a chamber at –30°C for 240 hours	- - /
3	Humidity test	After being placed in a chamber at +40°C and 90±5% relative humidity for 240 hours	
4 Temp. cycle test		The part shall be subjected to 5 cycles. One cycle shall be consist of:: +70°C +25°C -30°C -30°C 0.5hr 0.5hr 0.25 0.5hr 0.5hr 0.5hr 0.5hr 0.25	Being placed for 4 hours at +25°C, buzzer shall be measured. The value of oscillation frequency/ current consumption should be in ±10% compared with initial ones .The SPL should be in ±10dB compared with initial one.
		Test condition	
No.	Item 1.Col 48 Operating life test A c ter	Evaluation standard Being placed for 4 hours at +25°C, buzzer shall be measured. The value of oscillation frequency/ current consumption should be in ±10% compared with initial ones .The SPL should be in ±10dB compared with initial one.	
TEST C	CONDITION.		
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