

Piezoelectronic Buzzers(without circuit)

PS Series(Pin Terminal/Lead)

Conformity to RoHS Directive

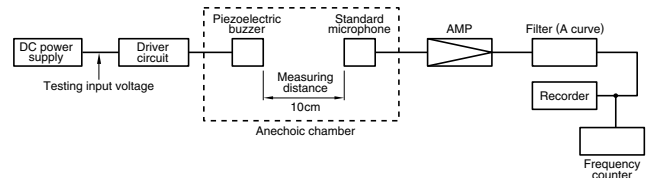
FEATURES

- The PS series are high-performance buzzers that employ unimorph piezoelectric elements and are designed for easy incorporation into various circuits.
- They feature extremely low power consumption in comparison to electromagnetic units.
- Because these buzzers are designed for external excitation, the same part can serve as both a musical tone oscillator and a buzzer.
- They can be used with automated inserters. Moisture-resistant models are also available.
- The lead wire type(PS1550L40N) with both-sided adhesive tape installed easily is prepared.

APPLICATIONS

Electric ranges, washing machines, computer terminals, various devices that require speech synthesis output.

SOUND MEASURING METHOD



SPECIFICATIONS AND CHARACTERISTICS

Type	Part No.	External dimensions			Characteristics		
		Outer diameter (mm)	Height (mm)	Pitch (mm)	Sound pressure (dB(A)/10cm)	Frequency (kHz)	Input voltage (Vo-p)[Rectangular wave]
PS12 Type	PS1240P02BT	ø12.2	6.5	5	70 min.	4	3
	PS1240P02CT3	ø12.2	3.5	5	60 min.	4	3
PS14 Type	PS1440P02BT	ø14	8	5	75 min.	4	3
	PS1420P02CT	ø14	11	5	70 min.	2	5
PS17 Type	PS1720P02	ø17	8	10	70 min.	2	3
	PS1740P02E	ø17	7.5	10	75 min.	4	3
	PS1740P02CE	ø17	4.6	10	60 min.	4	3
PS19 Type	PS1927P02	ø19	10.5 [excluding terminal]	20	90 min.	2.7	10
	PS1920P02	ø19	10.5 [excluding terminal]	20	80 min.	2	10
Others	PS1550L40N	ø15	1.6	—	Depend on the installation condition		

Type	Part No.	Applications	Features
PS12 Type	PS1240P02BT	For warning and alarm sounds of home appliances(air conditioners, refrigerators, fan forced heaters, cordless telephones, etc.)	• Compact • Automatic mountable • 12.7mm pitch radial taping
	PS1240P02CT3		• Thin type • Automatic mountable • 12.7mm pitch radial taping
PS14 Type	PS1440P02BT		• High sound pressure • Automatic mountable • 15mm pitch radial taping
	PS1420P02CT		• Low frequency tone • Automatic mountable • 15mm pitch radial taping
PS17 Type	PS1720P02		• Low frequency tone • High sound pressure
	PS1740P02E		• High sound pressure
	PS1740P02CE	• Thin type	
PS19 Type	PS1927P02	For potted circuit (washing machines, drying machines, hot water supply systems, etc.)	• High sound pressure • Water-proof processing element
	PS1920P02	• Low frequency tone • Water-proof processing element	
Others	PS1550L40N	Digital camera	• Compact, Thin type • Fix in both-sided adhesive tape

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.