

ES

KBS Series Piezo Electric Audio Transducers

The widely used range of compact, externally driven transducers offers high sound output with low current drain. They are of highly reliable construction and are suitable for many applications. The different case designs produce a wide range of tones when driven with either a sine or square wave.

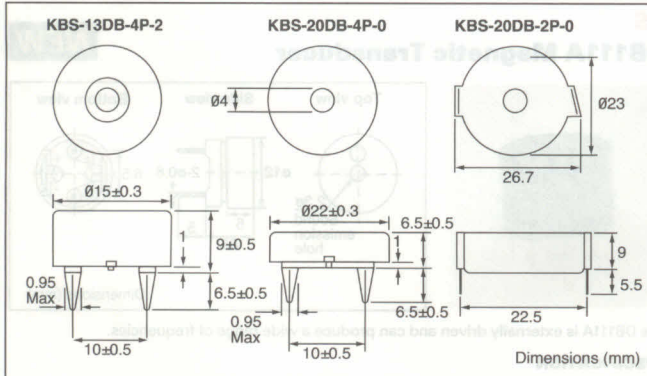
ES

KBS Series Piezo Electric Audio Transducers



SPECIFICATION

		KBS 13DB-4P-2	KBS 20DB-4P-0	KBS 20DB-2P-0
SPL at Rated Voltage	dB min.	73/30cm	77/30cm	75/30cm
Resonant Frequency	KHz	4	4	2
Rated Voltage Sq. Wave	V p-p	10	10	10
Max. Input Voltage	V p-p	30	30	25
Capacitance at 1KHz	nF	10±30%	14±30%	24±30%

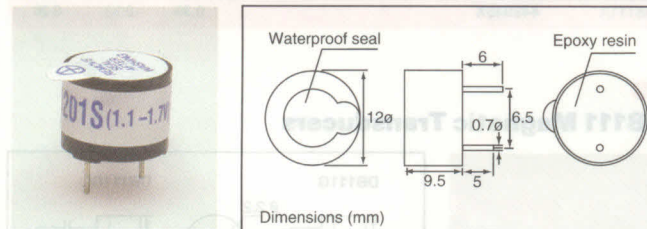


Type No.	Stock No.	1+	50+	100+
KBS-13DB-4P-2	093120X	0.60	0.50	0.46
KBS-20DB-4P-0	093121R	0.60	0.50	0.46
KBS-20DB-2P-0	003957X	0.60	0.50	0.46

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SEM-1201S Sound Transducer

NEW



This electromechanical unit is very small and contains a built-in drive circuit. It is sealed and therefore wave solderable and washable. PC board mounting.

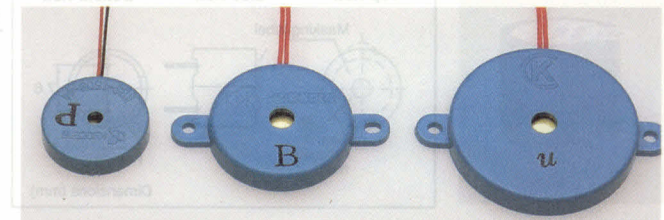
SPECIFICATION

Resonant Frequency	2400Hz
Operating Voltage	1.1-4.5V
Rated Voltage	1.5V
Sound Pressure Level	85dB min at 10cm
Current Consumption	10mA max
DC Resistance	40Ω ±10%
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Weight	5g

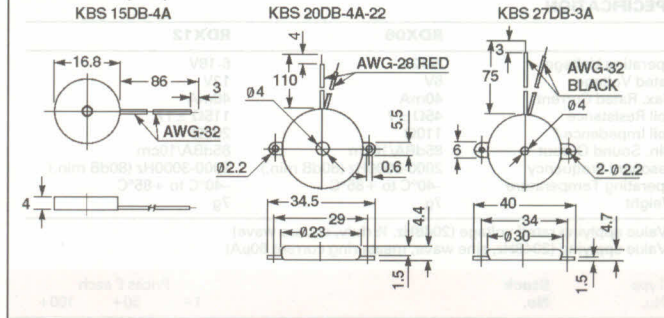
Type No.	Stock No.	1+	50+	100+
S 01S	449936C	0.90	0.75	0.60

ES

KBS Series Piezo Electric Transducers - Leaded Types



Dimensions (mm)



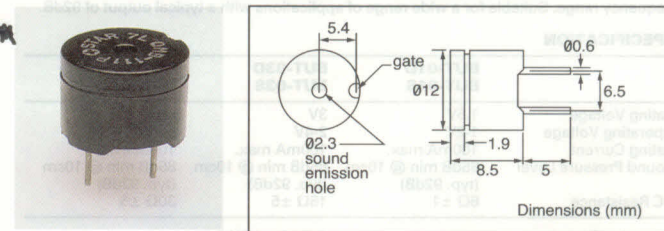
SPECIFICATION

	KBS-15DB-4A	KBS-20DB-4A-22	KBS-27DB-3A
SPL at Rated Voltage	dB min. 72/30cm	70/30cm	75/30cm
Resonant Frequency	KHz 4	4	3
Rated Voltage Sq. Wave	V p-p 10	10	10
Max. Input Voltage	V p-p 30	25	25
Capacitance at 1KHz	nF 9.5±30%	17±30%	20±30%
Operating Temperature	°C -20 to +70	-20 to +70	-20 to +30

Type No.	Stock No.	1+	50+	100+
15DB-4A	036501H	0.63	0.59	0.55
20DB-4A-22	093122G	0.56	0.47	0.43
27DB-3A	058623B	0.75	0.54	0.46

Star

QMB Electromagnetic Transducers



An ultra-miniature low cost transducer ideal for battery-operated instruments.

SPECIFICATION

	QMB-111P	QMB-111GP
Rated Voltage	1.5V DC	1.5V DC
Voltage Range	1-2V DC	1-2V DC
Max. Current	10mA	30mA
Resonant Frequency	2048Hz	2048Hz
Coil Resistance	50Ω	16Ω
Impedance	140Ω	40Ω
SPL (dB A)	80 @ 10cm	85 @ 10cm
Operating Temperature Range	-20°C to +60°C	-20°C to +60°C

Type No.	Stock No.	Description	1+	25+	100+
QMB-111P	004829X	80dB	0.57	0.53	0.48
QMB-111GP	413427F	85dB	0.67	0.63	0.57