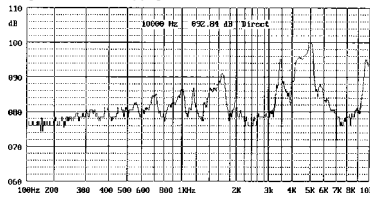
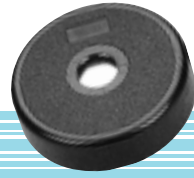


Piezo Transducer

KPT-3510 series Piezo Transducer

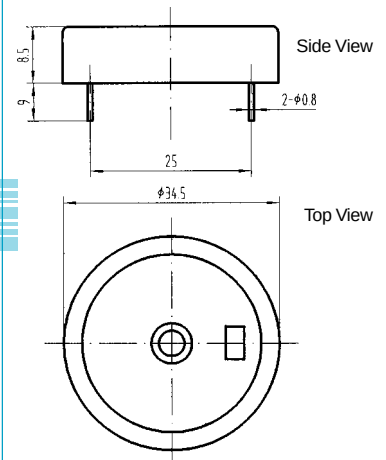
FREQUENCY RESPONSE
[actual curve of type]

applied voltage: 12Vp-p, 1/2 duty, square wave distance for measurement: 30cm



color Black
ABS Housing Material
Pin Terminal

DIMENSIONS

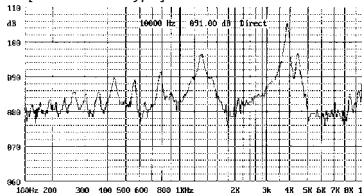


all dimensions are in mm

Model No	KPT-3510
Rated Voltage	12Vp-p Square Wave
Max. Allowable Voltage	30Vp-p Square Wave
Max. Rated Current	3mA at 1.0 KHz/12Vp-p Square Wave
Min Sound Pressure Level	75dB at 1.0 KHz/12Vp-p Square Wave/30cm
Resonant Frequency	1.0 $\pm$ 0.5KHz
Operating Temperature	-20~+60 $\pm$ æ
Weight	7g

* Value applying at rated voltage

KPT-3310 series Piezo Transducer

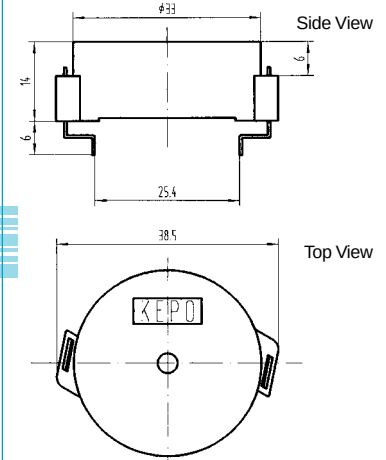
FREQUENCY RESPONSE
[actual curve of type]

applied voltage: 12Vp-p, 1/2 duty, square wave distance for measurement: 10cm



color Black
ABS Housing Material
Pin Terminal

DIMENSIONS

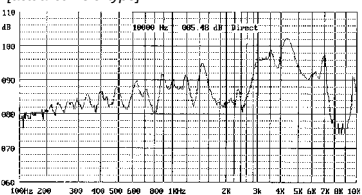


all dimensions are in mm

Model No	KPT-3310
Rated Voltage	12Vp-p Square Wave
Max. Allowable Voltage	30Vp-p Square Wave
Max. Rated Current	3.5mA at 1.3 KHz/12Vp-p Square Wave
Min Sound Pressure Level	75dB at 1.3 KHz/12Vp-p Square Wave/10cm
Resonant Frequency	1.3 $\pm$ 0.5KHz
Operating Temperature	-20~+60 $\pm$ æ
Weight	5g

* Value applying at rated voltage

KPT-3010 series Piezo Transducer

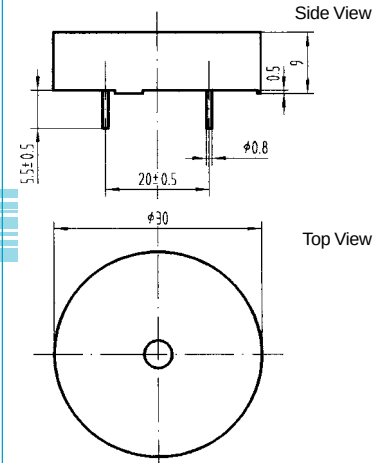
FREQUENCY RESPONSE
[actual curve of type]

applied voltage: 12Vp-p, 1/2 duty, square wave distance for measurement: 10cm



color Black
PC Housing Material
Pin Terminal

DIMENSIONS



all dimensions are in mm

Model No	KPT-3010
Rated Voltage	12Vp-p Square Wave
Max. Allowable Voltage	30Vp-p Square Wave
Max. Rated Current	8mA at 3.6 KHz/12Vp-p Square Wave
Min Sound Pressure Level	90dB at 3.6 KHz/12Vp-p Square Wave/10cm
Resonant Frequency	3.6 $\pm$ 0.5KHz
Operating Temperature	-20~+60 $\pm$ æ
Weight	7g

* Value applying at rated voltage