

External Drive Piezo Transducer

SPT01

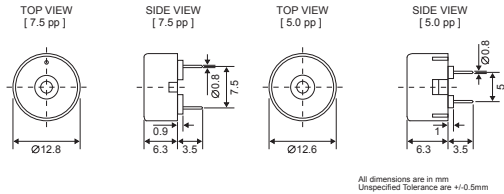


MATERIALS

Color - Black
Housing Material - PBT/
ABS - 777D
Terminal - Pin Type

Weight

approx. 1 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT01-130740SHPR	PT01-130740SHPI050R
Sound Pressure Level	dBA	80dBA min. [5V p-p Square wave, 10cm, 4000Hz	80dBA min. [5V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	14000pF +/- 30% at 120Hz	14000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Pin Distance	mm	7.5	5.0
Operating Temperature	°C	-20 ~ +60	-20 ~ +60

SPT06

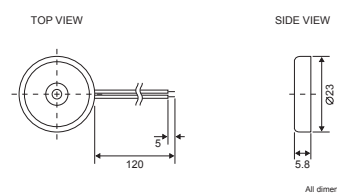


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 2 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT06-235834AWR
Sound Pressure Level	dBA	70dBA min. [12V p-p Square wave, 30cm, 3400Hz
Capacitance	pF	15000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +60

SPT02

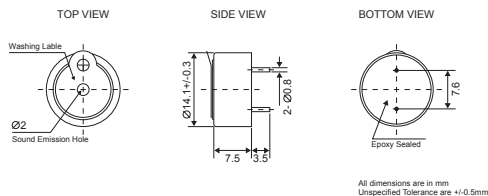


MATERIALS

Color - Black
Housing Material - PPO
Terminal - Pin Type

Weight

approx. 1 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT02-140740NPR
Sound Pressure Level	dBA	85dBA min. [12V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	12000pF +/- 30% at 1000Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +80

SPT07

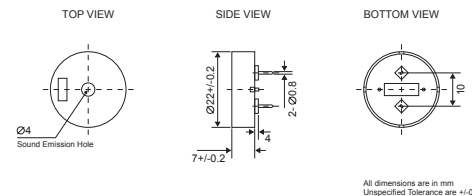


MATERIALS

Color - Black
Housing Material - Noryl/
PBT
Terminal - Pin Type

Weight

approx. 1 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT07-220740HPR	PT07-220740NPR
Sound Pressure Level	dBA	80dBA min. [3V rms Sine wave, 10cm, 4000Hz	80dBA min. [3V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	15000pF +/- 30% at 1000Hz	15000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-30 ~ +70	-30 ~ +70

SPT03

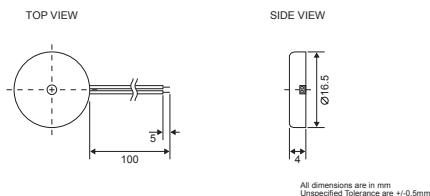


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 1 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT03-170440AWR
Sound Pressure Level	dBA	80dBA min. [3V rms Sine wave, 10cm, 4000Hz
Capacitance	pF	12000pF +/- 30% at 1000Hz
Max. Input Voitage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT08

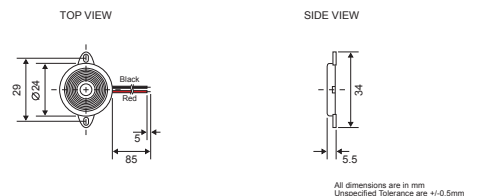


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 5 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT08-245535AWR	PT08-245540AWR
Sound Pressure Level	dBA	85dBA min. [3V rms Sine wave, 10cm, 3500Hz	85dBA min. [12V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	28000pF +/- 30% at 120Hz	20000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-20 ~ +70	-20 ~ +60

SPT04

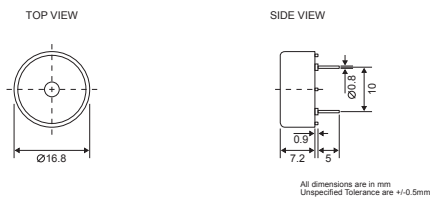


MATERIALS

Color - Black
Housing Material - ABS/
PBT
Terminal - Pin Type

Weight

approx. 1 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT04-170740APR	PT04-170740HPR
Sound Pressure Level	dBA	78dBA min. [3V p-p Square wave, 10cm, 4000Hz	85dBA min. [3V rms Sine wave, 10cm, 4000Hz
Capacitance	pF	15000pF +/- 30% at 120Hz	10500pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-20 ~ +60	-20 ~ +60

SPT09

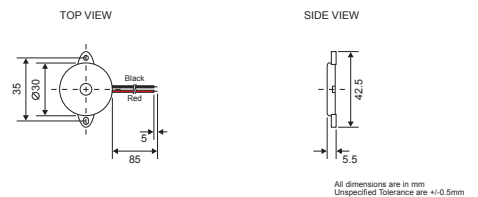


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 5 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT09-301225APR	PT09-305540SAWR
Sound Pressure Level	dBA	85dBA min. [3V rms Sine wave, 10cm, 2500Hz	85dBA min. [3V rms Sine wave, 10cm, 4000Hz
Capacitance	pF	55000pF +/- 30% at 120Hz	25000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-20 ~ +60	-20 ~ +60

SPT05

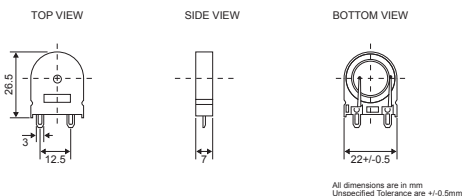


MATERIALS

Color - Black
Housing Material - PBT
Terminal - Pin Type

Weight

approx. 3 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT05-220720HPR
Sound Pressure Level	dBA	80dBA min. [5V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	18000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT10

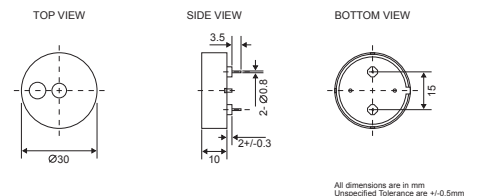


MATERIALS

Color - White
Housing Material - ABS/
PBT
Terminal - Pin Type

Weight

approx. 6 gm.



All dimensions are in mm
Unspecified Tolerance are +/-0.5mm

Model	Unit	PT10-301225APR	PT10-301225HPR
Sound Pressure Level	dBA	80dBA min. [3V rms Sine wave, 10cm, 2500Hz	80dBA min. [3V rms Sine wave, 10cm, 2500Hz
Capacitance	pF	25000pF +/- 30% at 120Hz	25000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-20 ~ +60	-20 ~ +60

External Drive Piezo Transducer

SPT11

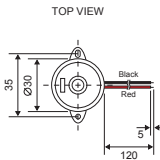


MATERIALS

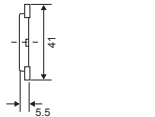
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 3.5 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT11-305513AWR	PT11-305535AWR
Sound Pressure Level	dBA	80dBA min. [12V p-p Square wave, 10cm, 1300Hz	75dBA min. [3V p-p Square wave, 10cm, 3500Hz
Capacitance	pF	45000pF +/- 30% at 120Hz	25000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-20 ~ +60	-20 ~ +60

SPT16

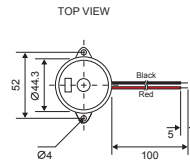


MATERIALS

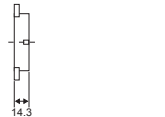
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 12 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT16-441410AWR
Sound Pressure Level	dBA	80dBA min. [12V p-p Square wave, 30cm, 1000Hz
Capacitance	pF	66000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	40
Operating Temperature	°C	-20 ~ +70

SPT12

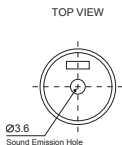


MATERIALS

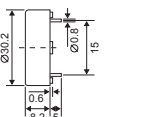
Color - Black
Housing Material - ABS/
PBT
Terminal - Pin Type

Weight

approx. 5.5 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT12-308240APR	PT12-308240HPR
Sound Pressure Level	dBA	80dBA min. [9V p-p Square wave, 10cm, 4000Hz	80dBA min. [9V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	25000pF +/- 30% at 1000Hz	25000pF +/- 30% at 1000Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-30 ~ +70	-20 ~ +70

SPT17

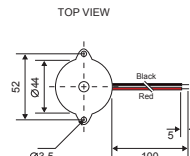


MATERIALS

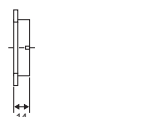
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 10 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT17-441410SAWR
Sound Pressure Level	dBA	90dBA min. [12V p-p Square wave, 10cm, 1000Hz
Capacitance	pF	80000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +60

SPT13

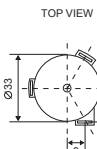


MATERIALS

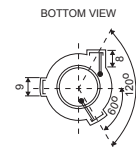
Color - Black
Housing Material - ABS
Terminal - Pin Type

Weight

approx. 8 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT13-338510SAPR
Sound Pressure Level	dBA	70dBA min. [3V rms Sine wave, 10cm, 1000Hz
Capacitance	pF	55000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT19

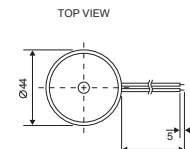


MATERIALS

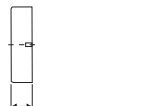
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 10 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT19-441410SAWR
Sound Pressure Level	dBA	85dBA min. [12V p-p Square wave, 10cm, 1000Hz
Capacitance	pF	80000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT14

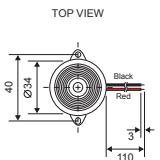


MATERIALS

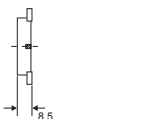
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 5.8 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT14-348512AWR
Sound Pressure Level	dBA	70dBA min. [3V rms Sine wave, 10cm, 1200Hz
Capacitance	pF	50000pF +/- 30% at 1000Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-25 ~ +70

SPT21

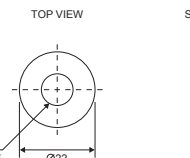


MATERIALS

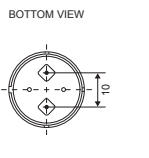
Color - Black
Housing Material - PBT
Terminal - Pin Type

Weight

approx. 3.2 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT21-221220HPR	PT21-221240HPR
Sound Pressure Level	dBA	70dBA min. [3V p-p Square wave, 10cm, 2000Hz	85dBA min. [3V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	30000pF +/- 30% at 1000Hz	15000pF +/- 30% at 1000Hz
Max. Input Voltage	V p-p	30	40
Hole Diameter	mm	3.15	8.5
Operating Temperature	°C	-30 ~ +70	-30 ~ +70

SPT15

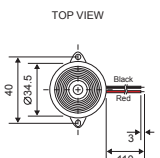


MATERIALS

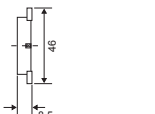
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 5.8 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT15-340910AWR	PT15-340912SAWR
Sound Pressure Level	dBA	78dBA min. [12V p-p Square wave, 30cm, 1000Hz	85dBA min. [9V p-p Square wave, 10cm, 1200Hz
Capacitance	pF	50000pF +/- 30% at 1000Hz	50000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	°C	-20 ~ +60	-20 ~ +60

SPT23

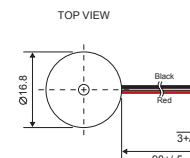


MATERIALS

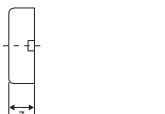
Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 1.2 gm.



SIDE VIEW



All dimensions are in mm
Unspecified Tolerance are $\pm 0.5\text{mm}$

Model	Unit	PT23-170720AWR
Sound Pressure Level	dBA	70dBA min. [3V rms Sine wave, 10cm, 2000Hz
Capacitance	pF	28000pF +/- 30% at 1000Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-25 ~ +70

External Drive Piezo Transducer

SPT24

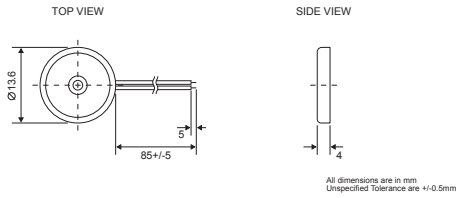


MATERIALS

Color - Black
Housing Material - ABS/
Noryl
Terminal - Wire Type

Weight

approx. 1 gm.



Model	Unit	PT24-140448AWR	PT24-140448NWR
Sound Pressure Level	dBA	80dBA min. [9V p-p Square wave, 10cm, 4800Hz]	82dBA min. [9V p-p Square wave, 10cm, 4800Hz]
Capacitance	pF	10000pF $\pm$ 30% at 120Hz	15000pF $\pm$ 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	$^{\circ}$ C	-20 ~ +70	-20 ~ +70

SPT35

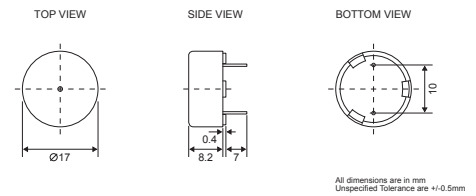


MATERIALS

Color - Black
Housing Material - PBT/
PPO
Terminal - Wire Type

Weight

approx. 1.2 gm.



Model	Unit	PT35-178620HPR	PT35-179120NPR
Sound Pressure Level	dBA	78dBA min. [9V p-p Square wave, 10cm, 2000Hz]	78dBA min. [9V p-p Square wave, 10cm, 2000Hz]
Capacitance	pF	22000pF $\pm$ 30% at 1000Hz	30000pF $\pm$ 30% at 120Hz
Max. Input Voltage	V p-p	30V rms	25V p-p
Operating Temperature	$^{\circ}$ C	-20 ~ +65	-20 ~ +60

SPT25

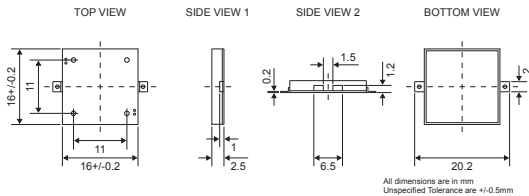


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

Weight

approx. 1 gm.



Model	Unit	PT25-162540LMR
Sound Pressure Level	dBA	75dBA min. [5V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	15000pF $\pm$ 30% at 100Hz
Max. Input Voltage	V p-p	25
Operating Temperature	$^{\circ}$ C	-40 ~ +105

SPT36

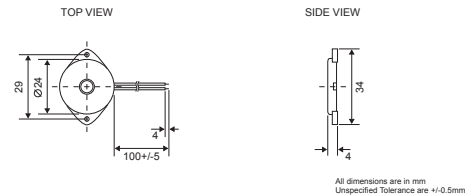


MATERIALS

Color - Black
Housing Material - ABS/
Noryl
Terminal - Wire Type

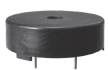
Weight

approx. 5 gm.



Model	Unit	PT36-240455AWR	PT36-240455NWR
Sound Pressure Level	dBA	90dBA min. [15V p-p Square wave, 10cm, 5500Hz]	90dBA min. [15V p-p Square wave, 10cm, 5500Hz]
Capacitance	pF	15000pF $\pm$ 30% at 120Hz	18000pF $\pm$ 30% at 1000Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	$^{\circ}$ C	-20 ~ +70	-30 ~ +70

SPT29

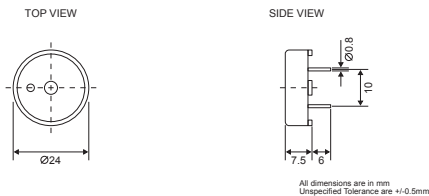


MATERIALS

Color - Black
Housing Material - ABS/
Noryl
Terminal - Pin Type

Weight

approx. 3 gm.



Model	Unit	PT29-247540APR	PT29-247560NPR
Sound Pressure Level	dBA	85dBA min. [10V p-p Square wave, 10cm, 4000Hz]	85dBA min. [10V p-p Square wave, 10cm, 6000Hz]
Capacitance	pF	17000pF $\pm$ 30% at 120Hz	17000pF $\pm$ 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	$^{\circ}$ C	-20 ~ +60	-20 ~ +60

SPT37

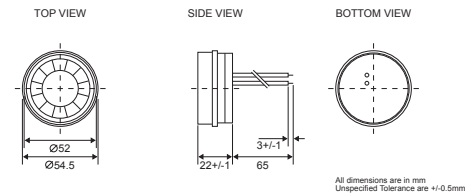


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 21 gm.



Model	Unit	PT37-552228AWR
Sound Pressure Level	dBA	90dBA min. [90V p-p Square wave, 100cm, 2800Hz]
Capacitance	pF	35000pF $\pm$ 30% at 120Hz
Max. Input Voltage	V p-p	100
Operating Temperature	$^{\circ}$ C	-20 ~ +60

SPT30

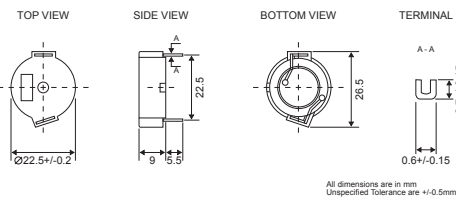


MATERIALS

Color - Grey
Housing Material - MPPO
Terminal - Pin Type

Weight

approx. 2 gm.



Model	Unit	PT30-230920NPR
Sound Pressure Level	dBA	85dBA min. [10V p-p Square wave, 10cm, 2048Hz]
Capacitance	pF	24000pF $\pm$ 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}$ C	-20 ~ +70

SPT38

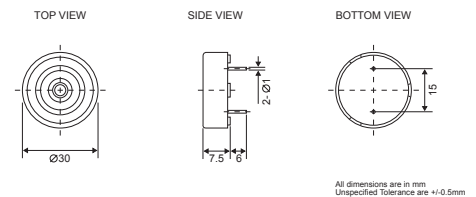


MATERIALS

Color - Black
Housing Material - ABS/
Noryl
Terminal - Pin Type

Weight

approx. 4 gm.



Model	Unit	PT38-307546APR	PT38-307546NPR
Sound Pressure Level	dBA	90dBA min. [5V p-p Square wave, 10cm, 4600Hz]	90dBA min. [5V p-p Square wave, 10cm, 4600Hz]
Capacitance	pF	18000pF $\pm$ 30% at 120Hz	18000pF $\pm$ 30% at 120Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	$^{\circ}$ C	-20 ~ +60	-20 ~ +60

SPT34

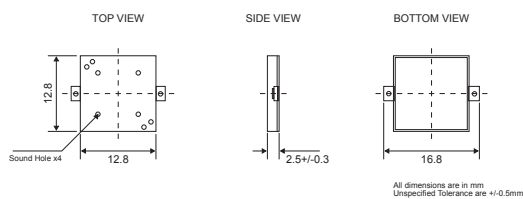


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

Weight

approx. 0.9 gm.



Model	Unit	PT34-132540LMR
Sound Pressure Level	dBA	72dBA min. [5V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	15000pF $\pm$ 30% at 100Hz
Max. Input Voltage	V p-p	25
Operating Temperature	$^{\circ}$ C	-40 ~ +150

SPT39

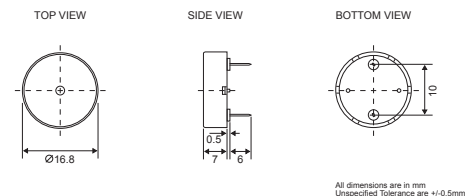


MATERIALS

Color - Black
Housing Material - Noryl
Terminal - Pin Type

Weight

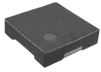
approx. 2 gm.



Model	Unit	PT39-170740NPR
Sound Pressure Level	dBA	80dBA min. [3V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	14000pF $\pm$ 30% at 100Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}$ C	-20 ~ +80

External Drive Piezo Transducer

SPT40

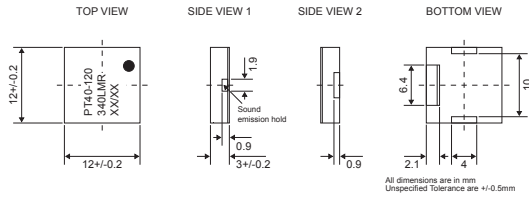


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

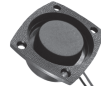
Weight

approx. 1 gm.



Model	Unit	PT40-120340LMR
Sound Pressure Level	dBA	76dBA min. [5V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	15000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	5
Operating Temperature	°C	-20 ~ +85

SPT47

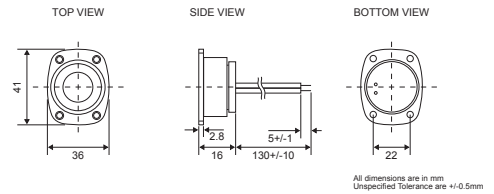


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 10 gm.



Model	Unit	PT47-411620AWR
Sound Pressure Level	dBA	80dBA min. [3V rms Sine wave, 10cm, 2K-5K Hz]
Capacitance	pF	25000pF +/- 30% at 100Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT41

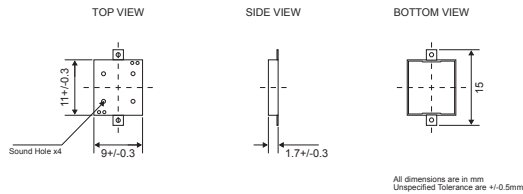


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

Weight

approx. 0.2 gm.



Model	Unit	PT41-110241LMR
Sound Pressure Level	dBA	70dBA min. [5V p-p Square wave, 10cm, 4100Hz]
Capacitance	pF	15000pF +/- 30% at 100Hz
Max. Input Voltage	V p-p	20
Operating Temperature	°C	-40 ~ +105

SPT49

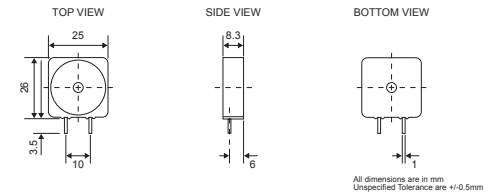


MATERIALS

Color - Black
Housing Material - Nylon
Terminal - Pin Type

Weight

approx. 5.5 gm.



Model	Unit	PT49-258320APR
Sound Pressure Level	dBA	85dBA min. [8V rms Square wave, 10cm, 2000Hz]
Capacitance	pF	22000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-30 ~ +70

SPT42

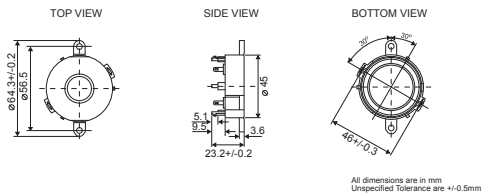


MATERIALS

Color - Black
Housing Material - Nylon
Terminal - Pin Type

Weight

approx. 11 gm.



Model	Unit	PT42-451425NPR
Sound Pressure Level	dBA	95dBA min. [12V p-p Square wave, 100cm, 2500Hz]
Capacitance	pF	250000pF +/- 30% at 100Hz
Max. Input Voltage	V p-p	50
Operating Temperature	°C	-30 ~ +95

SPT50

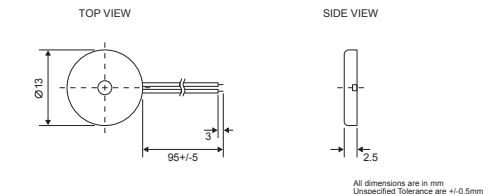


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 2 gm.



Model	Unit	PT50-132548AWR
Sound Pressure Level	dBA	80dBA min. [9V p-p Square wave, 10cm, 4800Hz]
Capacitance	pF	18000pF +/- 30% at 1000Hz
Max. Input Voltage	V p-p	15
Operating Temperature	°C	-25 ~ +70

SPT45

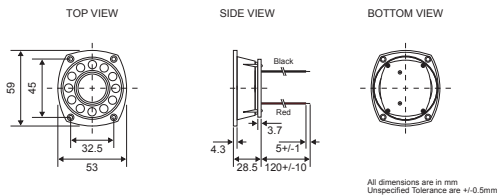


MATERIALS

Color - Black / White
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 12 gm.



Model	Unit	PT45-592830AWR
Sound Pressure Level	dBA	98dBA min. [12V p-p Square wave, 30cm, 3000Hz]
Capacitance	pF	28000pF +/- 30% at 100Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT51

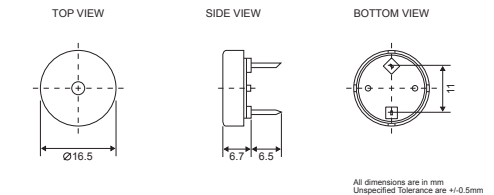


MATERIALS

Color - Black
Housing Material - Noryl
Terminal - Pin Type

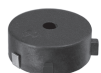
Weight

approx. 1 gm.



Model	Unit	PT51-176740NPR
Sound Pressure Level	dBA	83dBA min. [5V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	10000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +70

SPT46

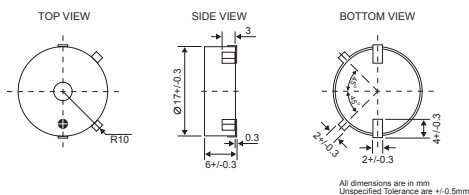


MATERIALS

Color - Black
Housing Material - PPS
Terminal - SMD Type

Weight

approx. 1.6 gm.



Model	Unit	PT46-170640PMR
Sound Pressure Level	dBA	90dBA min. [12V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	15000pF +/- 30% at 100Hz
Max. Input Voltage	V p-p	30
Operating Temperature	°C	-20 ~ +85

SPT52

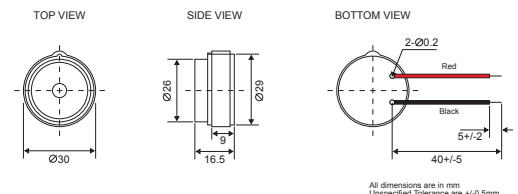


MATERIALS

Color - White
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 8 gm.



Model	Unit	PT52-301734AWR
Sound Pressure Level	dBA	90dBA min. [9V p-p Square wave, 10cm, 3400Hz]
Capacitance	pF	25000pF +/- 30% at 120Hz
Max. Input Voltage	V p-p	28
Operating Temperature	°C	-20 ~ +70

External Drive Piezo Transducer

SPT53

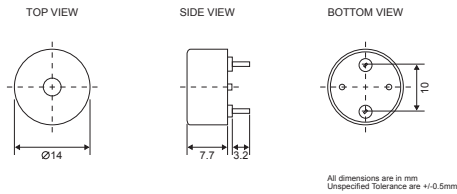


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Pin Type

Weight

approx. 1 gm.



Model	Unit	PT53-147740APR
Sound Pressure Level	dBA	80dBA min. [5V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	13000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT62

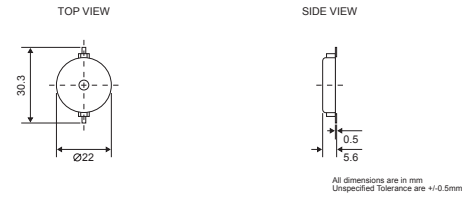


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

Weight

approx. 2 gm.



Model	Unit	PT62-225625LMR
Sound Pressure Level	dBA	80dBA min. [10V p-p Square wave, 10cm, 2500Hz]
Capacitance	pF	25000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-30 ~ +85

SPT54

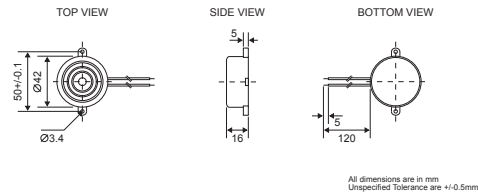


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 10 gm.



Model	Unit	PT54-421628AWR
Sound Pressure Level	dBA	100dBA min. [12V p-p Square wave, 30cm, 2800Hz]
Capacitance	pF	15000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +60

SPT63

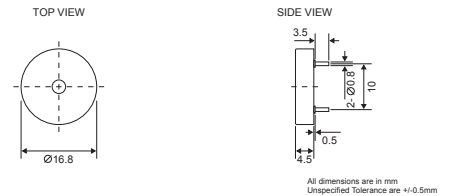


MATERIALS

Color - Black
Housing Material - PBT
Terminal - Pin Type

Weight

approx. 1.3 gm.



Model	Unit	PT63-170540APR
Sound Pressure Level	dBA	80dBA min. [9V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	15000pF $\pm 30\%$ at 1000Hz
Max. Input Voltage	V p-p	25
Operating Temperature	$^{\circ}\text{C}$	-35 ~ +70

SPT56

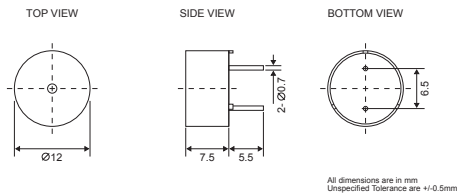


MATERIALS

Color - Black
Housing Material - MPPO
Terminal - Pin Type

Weight

approx. 2 gm.



Model	Unit	PT56-127545NPR
Sound Pressure Level	dBA	80dBA min. [12V p-p Square wave, 10cm, 4500Hz]
Capacitance	pF	60000pF $\pm 30\%$ at 1000Hz
Max. Input Voltage	V p-p	30V rms
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT64

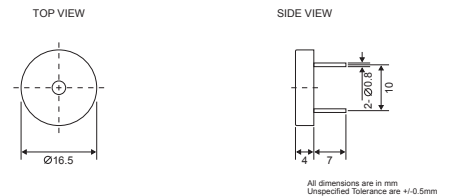


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Pin Type

Weight

approx. 1 gm.



Model	Unit	PT64-170440APR
Sound Pressure Level	dBA	80dBA min. [9V p-p Square wave, 10cm, 4000Hz]
Capacitance	pF	15000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT57

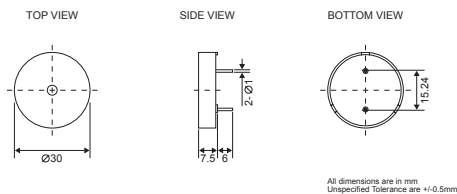


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Pin Type

Weight

approx. 2 gm.



Model	Unit	PT57-307530APR
Sound Pressure Level	dBA	85dBA min. [10V p-p Square wave, 10cm, 3000Hz]
Capacitance	pF	18000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +60

SPT65

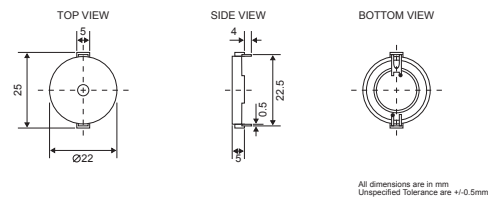


MATERIALS

Color - Black
Housing Material - LCP
Terminal - Pin Type

Weight

approx. 2 gm.



Model	Unit	PT65-220525LPR
Sound Pressure Level	dBA	80dBA min. [10V p-p Square wave, 10cm, 2500Hz]
Capacitance	pF	25000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT59

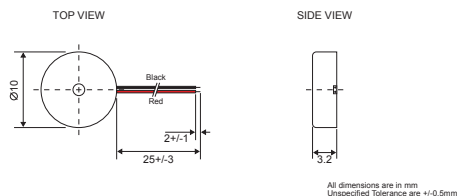


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 1 gm.



Model	Unit	PT59-103232AWR
Sound Pressure Level	dBA	73dBA min. [10V p-p Square wave, 10cm, 3200Hz]
Capacitance	pF	11000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +60

SPT66

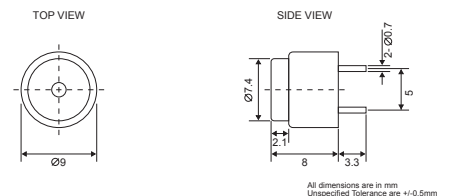


MATERIALS

Color - Black
Housing Material - PPO
Terminal - Pin Type

Weight

approx. 0.5 gm.



Model	Unit	PT66-090828NPR
Sound Pressure Level	dBA	75dBA min. [10V p-p Square wave, 10cm, 2800Hz]
Capacitance	pF	5600pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-30 ~ +95

External Drive Piezo Transducer

SPT67

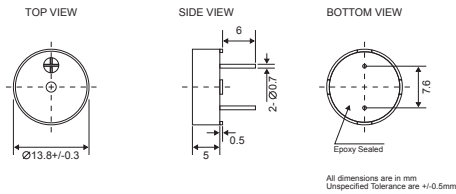


MATERIALS

Color - Black
Housing Material - Noryl
Terminal - Pin Type

Weight

approx. 0.5 gm.



Model	Unit	PT67-140540NPR
Sound Pressure Level	dBA	80dBA min. [5V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	11000pF $\pm 30\%$ at 100Hz
Max. Input Voltage	V p-p	25
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT76

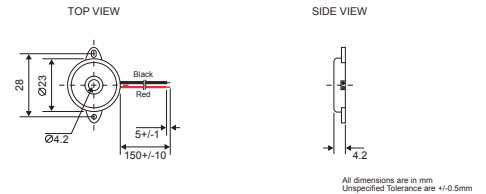


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 2 gm.



Model	Unit	PT76-234240AWR
Sound Pressure Level	dBA	80dBA min. [12V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	24000pF $\pm 30\%$ at 100Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT70

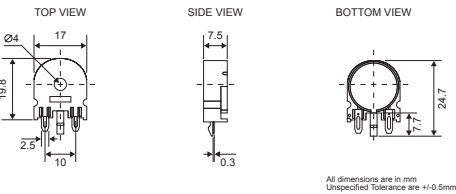


MATERIALS

Color - Black
Housing Material - PBT
Terminal - Pin Type

Weight

approx. 3 gm.



Model	Unit	PT70-177540HPR
Sound Pressure Level	dBA	75dBA min. [3V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	15000pF $\pm 30\%$ at 1000Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +60

SPT77

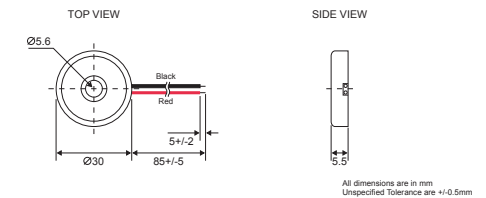


MATERIALS

Color - Black
Housing Material - ABS/
PBT
Terminal - Wire Type

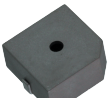
Weight

approx. 2 gm.



Model	Unit	PT77-305520HWR	PT77-305525AWR
Sound Pressure Level	dBA	85dBA min. [3V rms Sine wave, 10cm, 2000Hz	85dBA min. [3V rms Sine wave, 10cm, 2500Hz
Capacitance	pF	55000pF $\pm 30\%$ at 100Hz	30000pF $\pm 30\%$ at 100Hz
Max. Input Voltage	V p-p	30	30
Operating Temperature	$^{\circ}\text{C}$	-40 ~ +85	-20 ~ +70

SPT73

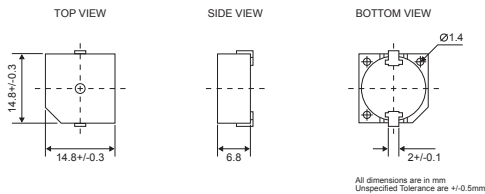


MATERIALS

Color - Grey
Housing Material - PPS
Terminal - SMD Type

Weight

approx. 2 gm.



Model	Unit	PT73-156840PMR
Sound Pressure Level	dBA	75dBA min. [12V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	15000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	20
Operating Temperature	$^{\circ}\text{C}$	-30 ~ +70

SPT78

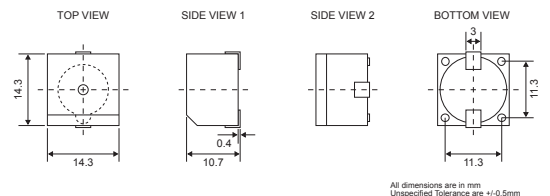


MATERIALS

Color - Black
Housing Material - PPS
Terminal - SMD Type

Weight

approx. 2.3 gm.



Model	Unit	PT78-151033PMR
Sound Pressure Level	dBA	80dBA min. [5V p-p Square wave, 10cm, 3300Hz
Capacitance	pF	15000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	20
Operating Temperature	$^{\circ}\text{C}$	-30 ~ +70

SPT74

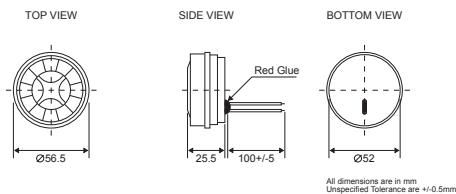


MATERIALS

Color - Red
Housing Material - ABS
Terminal - Wire Type

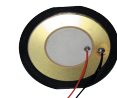
Weight

approx. 20 gm.



Model	Unit	PT74-572629AWR
Sound Pressure Level	dBA	85dBA min. [12V p-p Square wave, 100cm, 2900Hz
Capacitance	pF	30000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT79

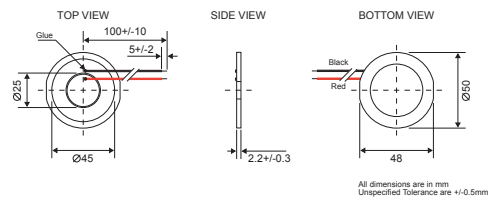


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

Weight

approx. 3 gm.



Model	Unit	PT79-502212AWR
Sound Pressure Level	dBA	80dBA min. [12V p-p Square wave, 10cm, 1200Hz
Capacitance	pF	65000pF $\pm 30\%$ at 100Hz
Max. Input Voltage	V p-p	30
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +70

SPT75

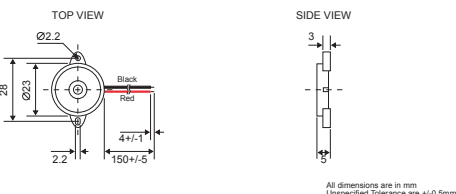


MATERIALS

Color - Black
Housing Material - ABS
Terminal - Wire Type

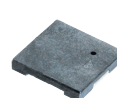
Weight

approx. 2 gm.



Model	Unit	PT75-230540AWR
Sound Pressure Level	dBA	80dBA min. [12V p-p Square wave, 30cm, 4000Hz
Capacitance	pF	24000pF $\pm 30\%$ at 120Hz
Max. Input Voltage	V p-p	28
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +60

SPT81

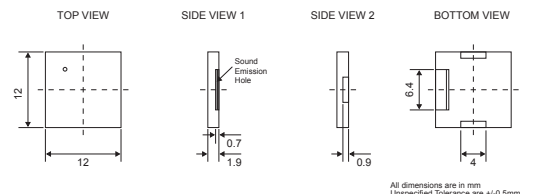


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

Weight

approx. 1 gm.



Model	Unit	PT81-120210LMR
Sound Pressure Level	dBA	70dBA min. [12V p-p Square wave, 10cm, 1000Hz
Capacitance	pF	15000pF $\pm 30\%$ at 100Hz
Max. Input Voltage	V p-p	5
Operating Temperature	$^{\circ}\text{C}$	-20 ~ +85

SPT84

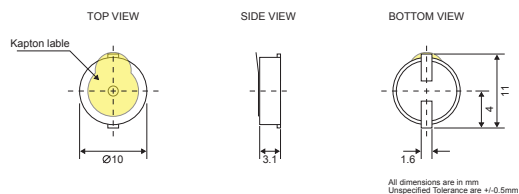


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

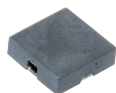
Weight

approx. 0.3 gm.



Model	Unit	PT84-103152LMR
Sound Pressure Level	dBA	75dBA min. [5V p-p Square wave, 10cm, 5200Hz
Capacitance	pF	11000pF +/- 30%
Max. Input Voltage	V p-p	25
Operating Temperature	°C	-20 ~ +70

SPT85

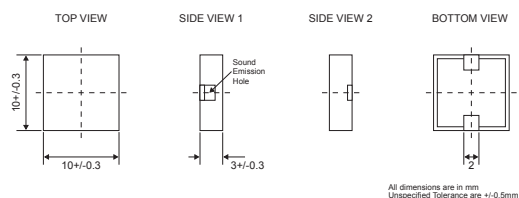


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

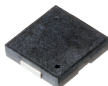
Weight

approx. 0.3 gm.



Model	Unit	PT85-100352LMR
Sound Pressure Level	dBA	70dBA min. [5V p-p Square wave, 10cm, 5200Hz
Capacitance	pF	12000pF +/- 30%
Max. Input Voltage	V p-p	25
Operating Temperature	°C	-20 ~ +70

SPT86

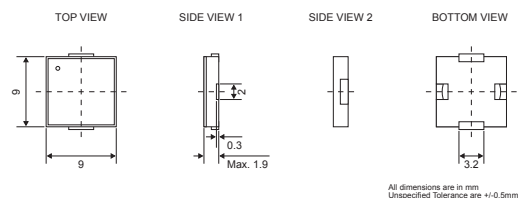


MATERIALS

Color - Black
Housing Material - LCP
Terminal - SMD Type

Weight

approx. 0.2 gm.



Model	Unit	PT86-091940LMR
Sound Pressure Level	dBA	65dBA min. [3V p-p Square wave, 10cm, 4000Hz
Capacitance	pF	12000pF +/- 30%
Max. Input Voltage	V p-p	25
Operating Temperature	°C	-30 ~ +70