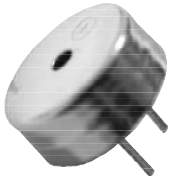


Model	Diameter (Ømm)	Height (mm)	Rated Voltage (V)	Coil Resistance (Ω)	Min. Sound Output (dBA/10cm)	Frequency (Hz)	Terminal *	Page No.
DB111D	12.0	8.5	1.5	42.0 ± 4.5	80	4096	L & P	9
DB112G	12.0	8.5	1.5	16.0 ± 4.5	85	2048	P	9
DB111GC	12.0	8.5	3.6	16.0 ± 4.5	85	2048	L & P	9
DBX01	12.0	9.0	1.5	6.5 ± 1.0	75	2400	P	10
DBX01A	12.0	9.0	1.5	6.5 ± 1.0	75	2048	P	10
DBX05	12.0	9.0	5.0	47.0 ± 5.0	85	2400	P	10
DBX05A	12.0	9.0	5.0	47.0 ± 5.0	85	2048	P	10
DBX05B	12.0	9.0	5.0	47.0 ± 5.0	85	2200	P	10
DBX12	12.0	9.0	12.0	140.0 ± 14.0	85	2400	P	10
DBX12A	12.0	9.0	12.0	140.0 ± 14.0	85	2048	P	10
ZDX06PN	12.0	9.5	6.0	50.0 ± 5.0	85	2200	P	11
HDX01	12.0	10.0	1.5	16.0 ± 4.5	80	2400	P	11
HDX01D	12.0	10.0	1.5	16.0 ± 4.5	85	2800	P	11
HDX01E	12.0	10.0	1.5	3.5 ± 1.0	85	2200	P	11
HDX05	12.0	10.0	5.0	40.0 ± 5.0	85	2400	P	11
DB113	12.0	13.0	1.5	16.0 ± 4.5	80	2048	P	9
DB108	14.0	5.0	3.0	15.0 ± 6.0	85	2000	P	16
GDX12	16.0	12.0	12.0	135.0 ± 20.0	85	2048	P	10
DB01	16.0	14.0	1.5	27.0 ± 3.0	80	2048	P	8
DB06	16.0	14.0	6.0	50.0 ± 5.0	85	2048	P	8
DB12	16.0	14.0	12.0	115.0 ± 12.0	85	2048	P	8
RDX06	16.0	14.5	6.0	45.0 ± 7.0	85	2000 ~ 3000	P	13
RDX12	16.0	14.5	12.0	117.0 ± 17.0	85	2000 ~ 3000	P	13
DB01A	16.0	22.2	1.5	27.0 ± 3.0	80	2048	P	10
DB06A	16.0	22.2	6.0	50.0 ± 5.0	85	2048	P	10
DB12A	16.0	22.2	12.0	115.0 ± 12.0	85	2048	P	10
TDX06	25.0	12.5	5.0	27.0 ± 4.0	85	730	P	14
TDX06S	25.0	12.5	6.0	36.0 ± 5.0	85	1000 ~ 1500	P	14
TDX12S	25.0	12.5	12.0	120.0 ± 15.0	85	1000 ~ 1500	P	14
UDT0823A	8.0 X 7.6	2.5	3.6	16.0 ± 2.4	88	2670	M	20
UDT0823B	8.0 X 7.6	2.5	3.6	16.0 ± 2.4	88	2731	M	20
UDT083A3A	8.0 X 7.6	3.0	3.6	16.0 ± 2.4	88	2670	M	21
UDT083A3B	8.0 X 7.6	3.0	3.6	16.0 ± 2.4	88	2731	M	21
UDT083A3C	8.0 X 7.6	3.0	3.6	16.0 ± 2.4	88	3100	M	21
SDT0831A	8.5 X 8.5	3.0	1.5	5.5 ± 2.0	80	2350	M	19
SDT0831B	8.5 X 8.5	3.0	1.5	5.5 ± 2.0	80	2730	M	19
SDT0833A	8.5 X 8.5	3.0	3.0	17.0 ± 2.0	85	2350	M	19
SDT0833B	8.5 X 8.5	3.0	3.0	17.0 ± 3.0	90	2730	M	19
SDT083B3A	8.5 X 8.5	3.0	3.6	16.0 ± 2.4	88	2500	M	19
UDT0833A	8.5 X 8.5	3.0	3.6	16.0 ± 2.4	90	2670	M	21
SDT0835A	8.5 X 8.5	3.0	5.0	30.0 ± 3.0	87	2350	M	19
SDT0835B	8.5 X 8.5	3.0	5.0	30.0 ± 3.0	87	2730	M	19
SDT083A3B	8.5 X 8.5	3.2	3.6	16.0 ± 3.0	85	2730	M	19
SDT083A3C	8.5 X 8.5	3.2	3.6	16.0 ± 3.0	85	3100	M	19
SDT0843A	8.5 X 8.5	4.0	3.0	17.0 ± 3.0	85	2350	M	20

* L - Leadwire, P - PIN, M - SMD

CDX104A

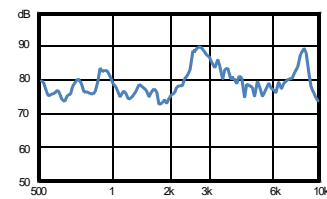
Standard Type



COLOUR	HOUSING	TERMINAL
SILVER	METAL	PIN

FREQUENCY RESPONSE

[actual curve of type CDX104A1B]



APPLIED VOLTAGE: 3.6V, 1/2 DUTY, SQUARE WAVE DISTANCE FOR MEASUREMENT: 10cm

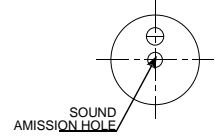
ELECTRICAL SPECIFICATIONS

Model No.	CDX104A1B	CDX104A3B	CDX104A5B
Operating Voltage (V)	1 - 2	2 - 4	4 - 6
Rated Voltage (V)	1.5	3.0	5.0
▲ Max. Rated Current (mA.)	80	60	60
Coil Resistance (Ω)	5.5±2	25±3	45±4
▲ Min Sound Output (dBA/10cm)	85	85	85
Resonant Frequency (Hz.)	2730	2730	2730
Operating Temperature (°C)	-20 ~ +60	-20 ~ +60	-20 ~ +60
Weight (gm.)	1.0	0.6	0.6

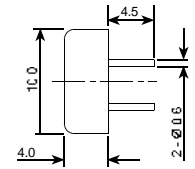
▲ Value applying rated voltage (Resonant Frequency, 1/2 duty, square wave)
* Value applying (Resonant Frequency, 1/2 duty, square wave, measuring current 60μA)

DIMENSION

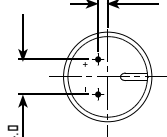
Top View



Side View



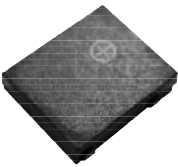
Bottom View



all dimensions are in mm

RDT102

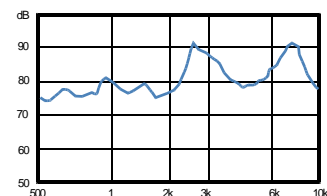
SMD Type



COLOUR	HOUSING	TERMINAL
BLACK	LCP	SMD

FREQUENCY RESPONSE

[actual curve of type SDX01]



APPLIED VOLTAGE: 1.2V, 1/2 DUTY, SQUARE WAVE DISTANCE FOR MEASUREMENT: 10cm

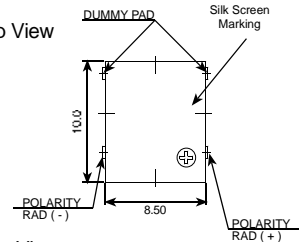
ELECTRICAL SPECIFICATIONS

Model No.	RDT1023A	RDT1023B	RDT1023C
Operating Voltage (V)	2 - 5	2 - 5	2 - 5
Rated Voltage (V)	3.6	3.6	3.6
▲ Max. Rated Current (mA.)	100	100	100
Coil Resistance (Ω)	16±2.4	16±2.4	16±2.4
▲ Min Sound Output (dBA/10cm)	88	88	88
Resonant Frequency (Hz.)	2670	2731	3100
Operating Temperature (°C)	-30 ~ +70	-30 ~ +70	-30 ~ +70
Weight (gm.)	0.38	0.38	0.38

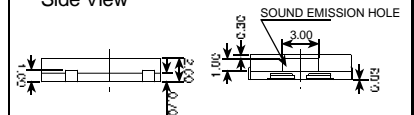
▲ Value applying rated voltage (Resonant Frequency, 1/2 duty, square wave)
* Value applying (Resonant Frequency, 1/2 duty, square wave, measuring current 60μA)

DIMENSION

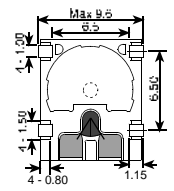
Top View



Side View



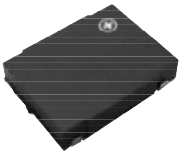
Bottom View



all dimensions are in mm

RDT143A

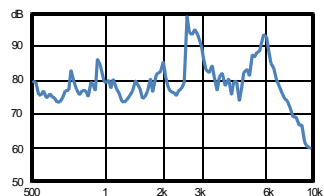
SMD Type



COLOUR	HOUSING	TERMINAL
BLACK	PA46	SMD

FREQUENCY RESPONSE

[actual curve of type RDT143A1B]



APPLIED VOLTAGE: 6V, 1/2 DUTY, SQUARE WAVE DISTANCE FOR MEASUREMENT: 10cm

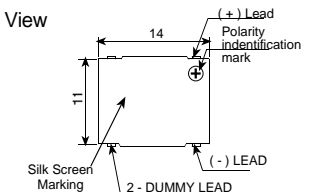
ELECTRICAL SPECIFICATIONS

Model No.	RDT143A1B	RDT143A1C	RDT143A3B	RDT143A3C	RDT143A5B	RDT143A5C
Operating Voltage (V)	1.2 - 1.7	1.2 - 1.7	3.0 - 4.5	3.0 - 4.5	4 - 5	4 - 5
Rated Voltage (V)	1.5	1.5	3	3	5	5
▲ Max. Rated Current (mA.)	80	80	90	90	70	70
Coil Resistance (Ω)	9±2	9±2	18±3	18±2	43±3	43±3
▲ Min Sound Output (dBA/10cm)	85	85	87	87	87	87
Resonant Frequency (Hz.)	2730	3200	2730	3200	2730	3200
Operating Temperature (°C)	-20 ~ +70	-20 ~ +70	-20 ~ +70	-20 ~ +70	-20 ~ +70	-20 ~ +70
Weight (gm.)	1.0	1.0	1.0	1.0	1.0	1.0

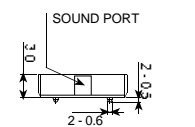
▲ Value applying rated voltage (Resonant Frequency, 1/2 duty, square wave)
* Value applying (Resonant Frequency, 1/2 duty, square wave, measuring current 60μA)

DIMENSION

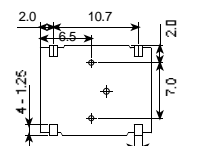
Top View



Side View



Bottom View



all dimensions are in mm