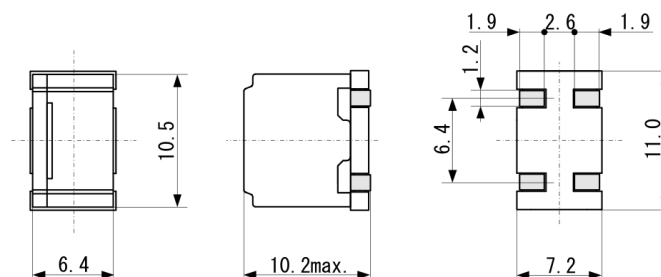
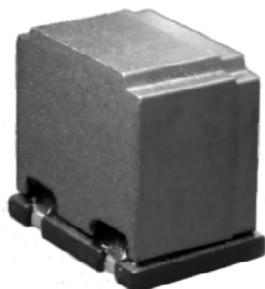


TPDA100610 Series

Shapes and Dimensions

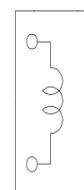


Features

- Space reduction is realized by 2 in 1 construction
- The optimal design realizes high quality sound and low distortion
- Compact size using flat wire
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant spec available upon request
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(The self-heating is included)



Fixed



CONNECTION
(BOTTOM VIEW)

Electrical Characteristics

Part Number	Inductance (μH)	Tolerance %	Test Frequency (KHz)	D.C. Resistance (OHM) max	Saturation Current (A) Typ	Temperature Rise Current (A) Typ
TPDA100610-100M	10	20	100	0.022	6.0	3.6
TPDA100610-150M	15	20	100	0.025	5.0	3.5
TPDA100610-220M	22	20	100	0.035	4.3	3.0

※1. Measuring condition: at 100kHz.

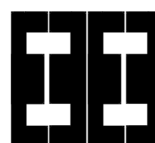
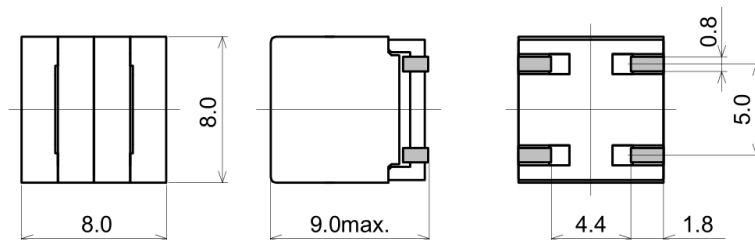
※2. Saturation current: The value of D.C. current when the inductance decreases to 75% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^{\circ}\text{C}$ ($T_a = 20^{\circ}\text{C}$).

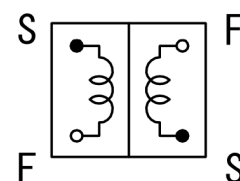
TPDA080809 Series



Shapes and Dimensions



Fixed



CONNECTION
(BOTTOM VIEW)

Features

- Space reduction is realized by 2 in 1 construction
- The optimal design realizes high quality sound and low distortion
- Compact size using flat wire
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant spec available upon request
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(The self-heating is included)

Electrical Characteristics

Part Number	Inductance (μH)	Tolerance %	Test Frequency (KHz)	D.C. Resistance (OHM) max	Saturation Current (A) Typ	Temperature Rise Current (A) Typ
TPDA080809-4R8N	4.8	30	100	0.022	6.2	3.6
TPDA080809-8R0N	8.0	30	100	0.035	5.0	2.8
TPDA080809-100M	10	20	100	0.038	4.3	2.7
TPDA080809-150M	15	20	100	0.051	3.5	2.3
TPDA080809-220M	22	20	100	0.088	3.2	2.0

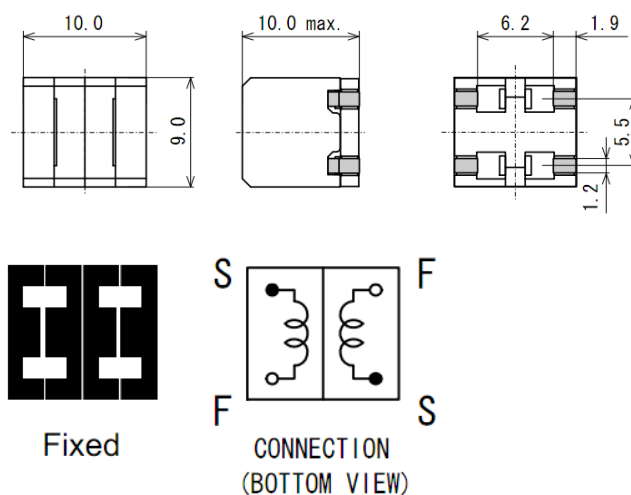
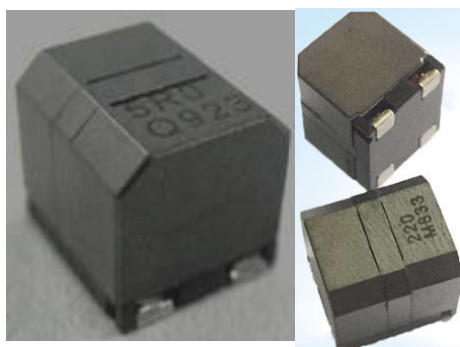
※1. Measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 75% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^{\circ}\text{C}$ ($T_a = 20^{\circ}\text{C}$).

TPDA100910 Series

Shapes and Dimensions



Features

- Space reduction is realized by 2 in 1 construction
- The optimal design realizes high quality sound and low distortion
- Compact size using flat wire
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant spec available upon request
- Operating temperature : -40°C ~ +125°C
(The self-heating is included)

Electrical Characteristics

Part Number	Inductance (uH)	Tolerance %	Test Frequency (KHz)	D.C. Resistance (OHM) max	Saturation Current (A) Typ	Temperature Rise Current (A) Typ
TPDA100910-5R0Y	5.0	25	100	0.015	8.9	8.0
TPDA100910-8R2M	8.2	20	100	0.020	6.7	6.0
TPDA100910-100M	10	20	100	0.025	6.5	4.8
TPDA100910-120M	12	20	100	0.029	5.8	4.6
TPDA100910-150M	15	20	100	0.030	4.8	4.5
TPDA100910-220M	22	20	100	0.033	4.1	4.5
TPDA100910-330M	33	20	100	0.035	3.5	4.5

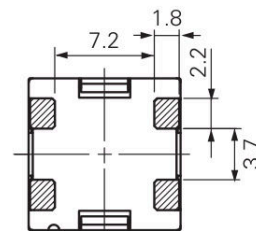
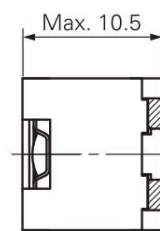
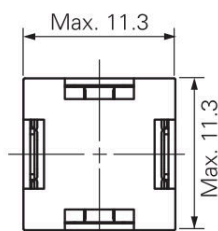
※1. Measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 75% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^{\circ}\text{C}$ ($T_a = 20^{\circ}\text{C}$).

TPDA111110 Series

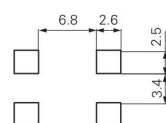
Shapes and Dimensions



LAND PATTERNS (mm)
推荐焊盘尺寸

CONNECTION
端子连接

WIRE
线种



BOTTOM VIEW
底面图

CONSTRUCTION
磁气构造图



Features

- Space reduction is realized by 2 in 1 construction
- The optimal design realizes high quality sound and low distortion
- Compact size using flat wire
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant spec available upon request
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(The self-heating is included)

Electrical Characteristics

Part Number	Inductance (μH)	Tolerance %	Test Frequency (KHz)	D.C. Resistance (OHM) max	Saturation Current (A) Typ	Temperature Rise Current (A) Typ
TPDA111110-100Y	10	25	100	0.029	5.9	4.5
TPDA111110-150Y	15	25	100	0.030	4.1	4.5
TPDA111110-220N	22	30	100	0.030	2.5	4.5

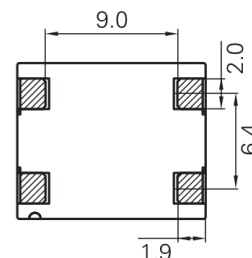
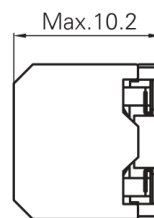
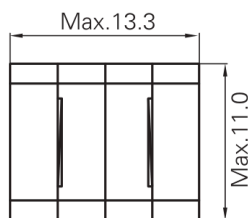
※1. Measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 75% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^{\circ}\text{C}$ ($T_a = 20^{\circ}\text{C}$).

TPDA131110 Series

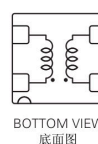
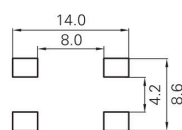
Shapes and Dimensions



LAND PATTERNS (mm)
推荐焊盘尺寸

CONNECTION
端子连接

WIRE
线种



BOTTOM VIEW
底面图

CONSTRUCTION
磁气构造图



Features

- Space reduction is realized by 2 in 1 construction
- The optimal design realizes high quality sound and low distortion
- Compact size using flat wire
- Small size and SMD type, Magnetic-shielded
- High current, Low resistance
- AEC-Q200 compliant spec available upon request
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(The self-heating is included)

Electrical Characteristics

Part Number	Inductance (μH)	Tolerance %	Test Frequency (KHz)	D.C. Resistance (OHM) max	Saturation Current (A) Typ	Temperature Rise Current (A) Typ
TPDA131110-100M	10	20	100	0.015	7.3	7.7
TPDA131110-120M	12	20	100	0.018	7.0	6.5
TPDA131110-150M	15	20	100	0.023	6.0	6.2
TPDA131110-180M	18	20	100	0.026	5.8	5.6
TPDA131110-220M	22	20	100	0.027	5.1	5.3

※1. Measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 75% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^{\circ}\text{C}$ ($T_a = 20^{\circ}\text{C}$).