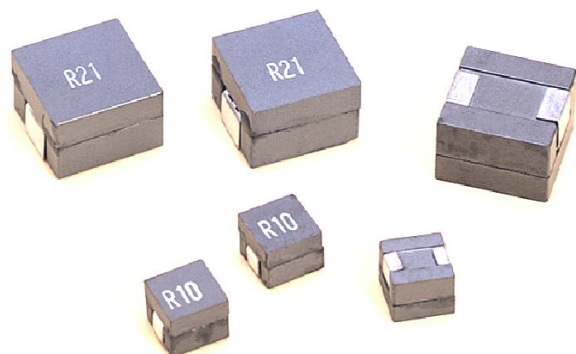


Feature

1. Lowest height (5.0mm/max) in this package footprint.
2. Lowest DCR/ μ H, in this package size.
3. Low buzz noise,due to composite construction.
4. Frequency up to 5MHz.

Application

1. Laptop and notebook computers.
2. Thin type on-board power supply module for exchanger.
3. DC/DC converter in distributed power systems or VRM applications.



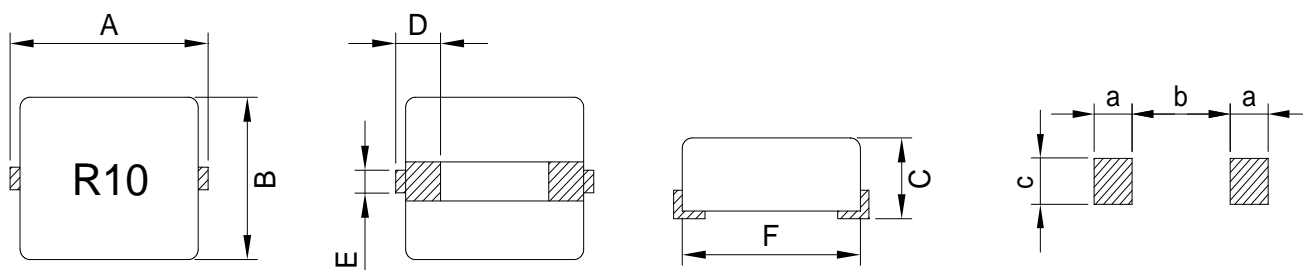
Product Identification

W SIHH 0605- R10 —
1 2 3 4 5

1. Lead-Free part number.
2. Series name.
- 3.Dimension.

4. Inductance. (See Details)
5. Tolerance. (See Details)

Configurations & Dimensions



PCB Pattern

Series Name	A	B	C	D	E	F	a	b	c
SIHH0605	7.2 max.	6.8 max.	5.0 max.	1.5 ± 0.5	2.5 ± 0.5	5.7± 0.5	2.50	2.50	4.50
SIHH1005	10.2 max.	6.8 max.	5.0 max.	1.5 ± 0.5	2.5 ± 0.5	8.7 ± 0.5	2.50	5.50	4.50
SIHH1208	13.5 max.	12.95 max.	8.0 max.	2.54 ± 0.5	5.0 ± 0.5	10.9 ± 0.5	3.35	7.10	7.60

Unit: mm

Shielded Construction - SMD / SIHH Series

Electrical Characteristics / SIHH0605

System Number	Part Number	Inductance (μ H)	Test Frequency (Volt / Hz)	DC Resistance Max. (m Ω)	Temperature Rise Current Max. (mA)	Saturation Current Max. (mA)
WP52S0101-00	SIHH0605-R10 __	0.10	0.25 / 1.0M	0.50	30,000	37,000
WP52S0102-00	SIHH0605-R15 __	0.15	0.25 / 1.0M	0.50	24,000	30,000
WP52S0103-00	SIHH0605-R20 __	0.20	0.25 / 1.0M	0.50	19,000	24,000

Electrical Characteristics / SIHH1005

System Number	Part Number	Inductance (μ H)	Test Frequency (Volt / Hz)	DC Resistance Max. (m Ω)	Temperature Rise Current Max. (mA)	Saturation Current Max. (mA)
WP52S0201-00	SIHH1005-R10 __	0.10	0.25 / 1.0M	0.65	40,000	50,000
WP52S0202-00	SIHH1005-R15 __	0.15	0.25 / 1.0M	0.65	40,000	42,000
WP52S0203-00	SIHH1005-R20 __	0.20	0.25 / 1.0M	0.65	30,000	40,000

Electrical Characteristics / SIHH1208

System Number	Part Number	Inductance (μ H)	Test Frequency (Volt / Hz)	DC Resistance Max. (m Ω)	Temperature Rise Current Max. (mA)	Saturation Current Max. (mA)
WP52S0302-00	SIHH1208-R15 __	0.15	0.1 / 500K	0.60	50,000	55,000
WP52S0304-00	SIHH1208-R21 __	0.21	0.1 / 500K	0.60	45,000	50,000
WP52S0305-00	SIHH1208-R26 __	0.26	0.1 / 500K	0.60	40,000	45,000
WP52S0306-00	SIHH1208-R32 __	0.32	0.1 / 500K	0.60	40,000	41,000
WP52S0307-00	SIHH1208-R44 __	0.44	0.1 / 500K	0.60	28,000	30,000

※ Temperature Rise Current that will cause temperature rise approximate 40°C without core loss. (Ta=25±5°C)

※ Saturation Rated Current that will cause initial inductance value approximately 20% rolloff. (Ta=25±5°C)