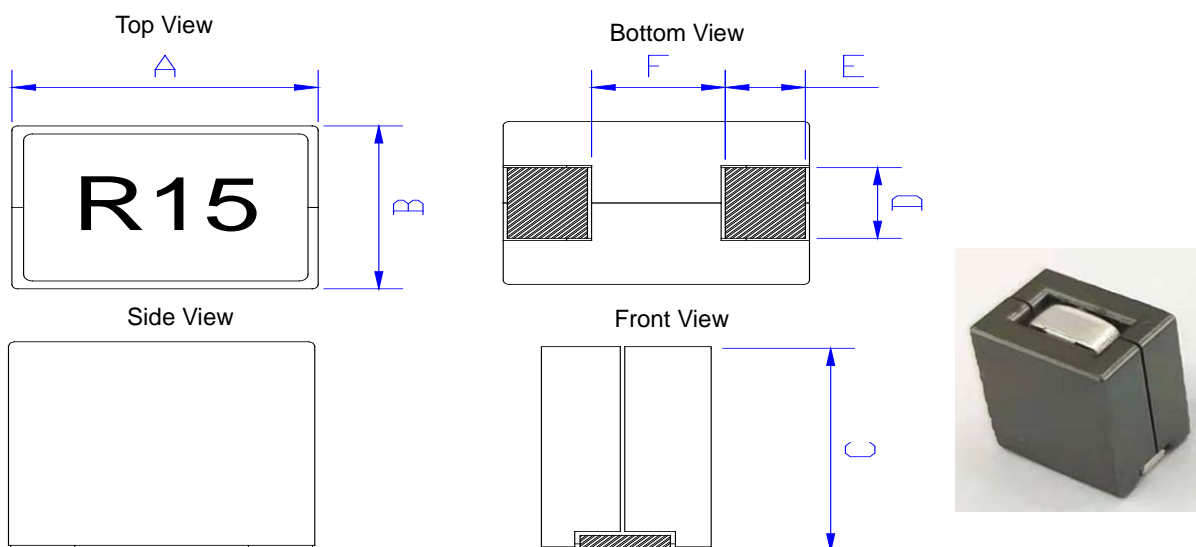


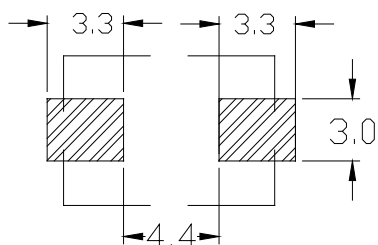
## 1. Dimensions



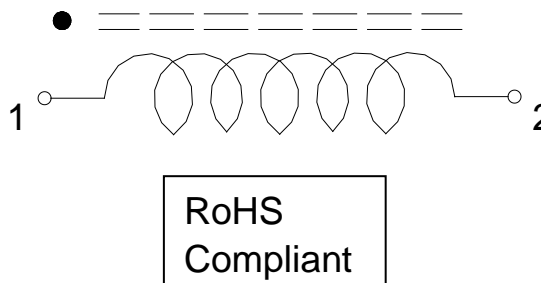
A	B	C	D	E	F
10.0 max	7.0 max	10.0 max	2.20±0.25	2.30±0.3	4.1 typ.

Unit: mm

## 2. Recommended Land Pattern



## 3. Schematics



## 4. Electrical Characteristics

Part Number	Stamp	Inductance ① (nH)	Inductance tolerance	DCR ② (mΩ)	Isat ③ at 25°C(A)	Isat ④ at 100°C(A)	Irms ⑤ (A)
SHCW100710-R15KCS	R15	150	±10%	0.17±10%	92	75	3.50

① Inductance tested at 100 kHz, 0.1 Vrms using an Agilent/HP 4192A or equivalent.

② DCR measured on a micro-ohmmeter.

③ Isat at 25°C: DC current at which the inductance decreases by 20% of it's initial value at 25°C.

④ Isat at 100°C: DC current at which the inductance decreases by 20% of it's initial value at 100°C.

⑤ I rms: The DC current at which  $\Delta t=40^{\circ}\text{C}$ . ( $T_a=25^{\circ}\text{C}$ )

Storage Temperature:  $-40^{\circ}\text{C}\sim +125^{\circ}\text{C}$

Operating Temperature:  $-40^{\circ}\text{C}\sim +125^{\circ}\text{C}$

Packaging Quantity: 500 pcs per Reel

All specifications are subject to change without notice.