



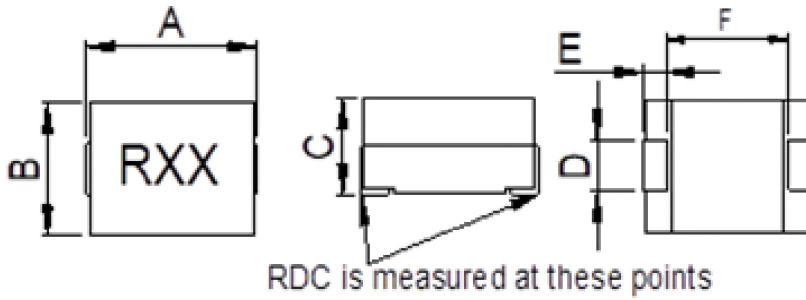
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SMT Power Inductor SIC110805-R35 series

■ SHAPES AND DIMENSIONS

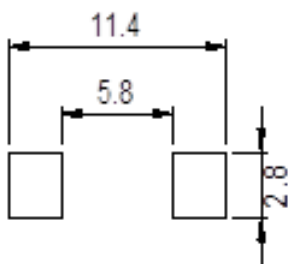


Unit: mm

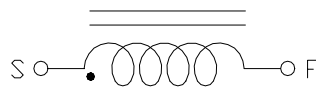
P/N	A Max	B Max	C	D	E	F
SIC110805-R35	11.0	8.0	By each	2.4 ± 0.2	2.3 ± 0.3	6.2 typ

Marking : XXX = Inductance

Recommend PAD Layout



Equivalent circuit





■ PART NUMBER CODE

SIC 110805 - R15 L A - R35
1 **2** **3** **4** **5** **6**

1. Series Name
2. Size Code
3. Inductance(R=Decimal Point) Unit : nH ; R15 = 0.15uH = 150nH
4. Inductance tolerance: L"±15%
5. Soldering : A=Lead Free
6. Special code



■ ELECTRICAL CHARACTERISTICS

1. Part Number and Characteristics Table

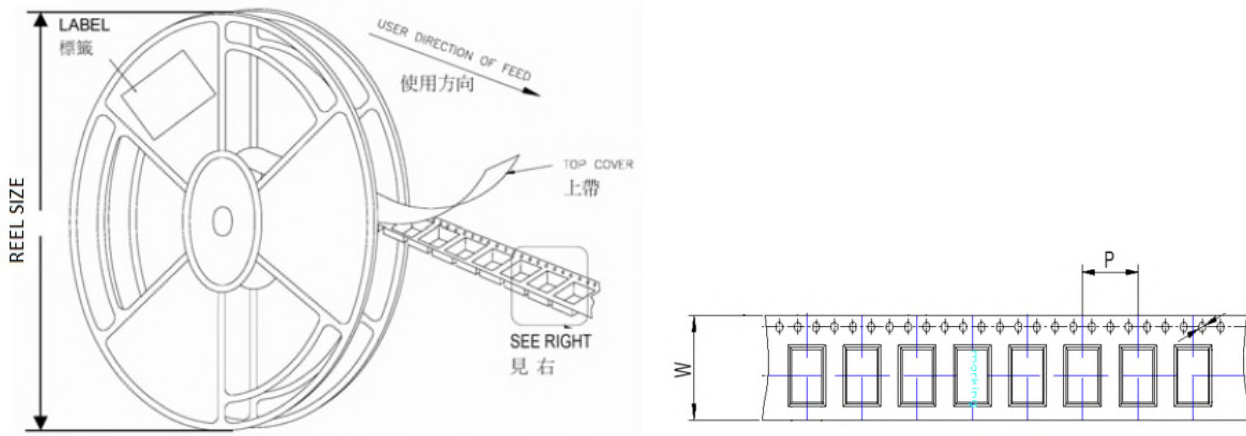
Part number	Initial Inductance (nH)	Tolerance (±%)	DCR (mΩ)	Saturation Current @25°C (Amps)(typ)	Temperature Rise Current (Amps)(typ)	Dim C (mm)
SIC110805-R15LA-R35	150.0	15	0.35± 8.6%	64	46	5.2 Max
SIC110805-R19LA-R35	190.0	15	0.35± 8.6%	48	46	5.0 Max
SIC110805-R22LA-R35	220.0	15	0.35± 8.6%	36	46	5.0 Max

Note:

- Initial Inductance: Testing at 100 KHz / 1.0 Vrms.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 20%.
- Temperature Rise Current: DC current that will cause an approximate ΔT of 40°C.
- All test data is referenced to 25°C ambient.
- Operating temperature : -40~+125°C



REEL DIMENSIONS AND PACKAGING QUANTITY



Unit: mm

TYPE	W	P	REEL SIZE	PCS / REEL
SIC110805-R35	24	12	330 mm (13")	900