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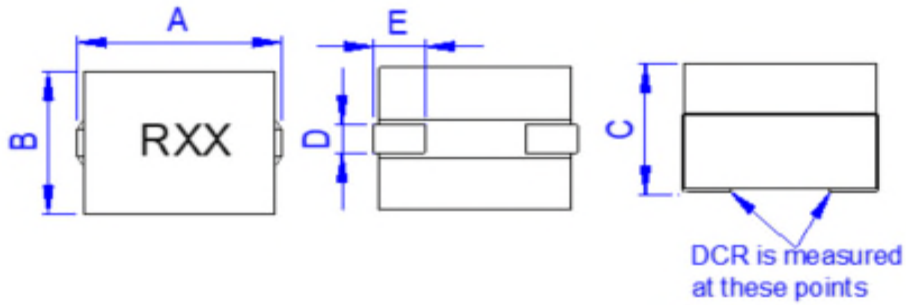
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SMT Power Inductor SIH100707-R29 Series

■ SHAPES AND DIMENSIONS

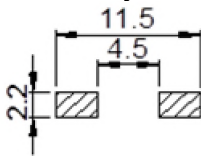


Unit: mm

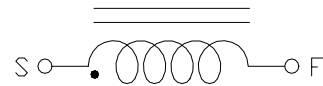
P/N	A	B	C	D	E
SIH100707-R29	10.3 ± 0.5	7.0±0.5	7.2±0.5	1.7±0.2	2.7±0.5

Marking : RXX = Inductance

Recommend PAD Layout



Equivalent circuit





■ PART NUMBER CODE

SIH 100707 - R12 L A - R29
1 2 3 4 5 6

1. Series Name
2. Size Code
3. Inductance(R=Decimal Point) Unit : nH ; R12 = 0.10uH = 120nH
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)	1-Saturation Current @25°C (Amps)(typ)	Temperature Rise Current (Amps)(typ)
SIH100707-R12LA-R29	120.0	15	0.290± 10%	80	55
SIH100707-R15LA-R29	150.0	15	0.290± 10%	65	55
SIH100707-R22LA-R29	220.0	15	0.290± 10%	50	55

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 (Including self - temperature rise).

