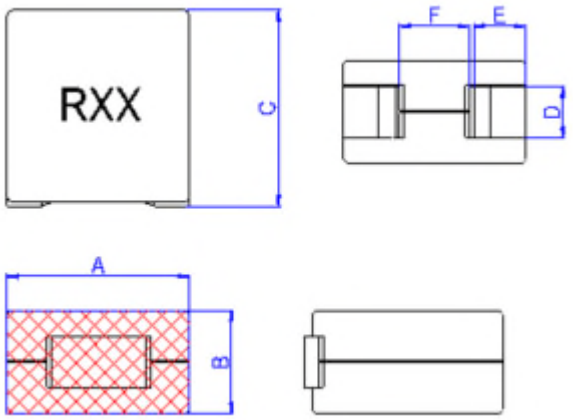
INDEX

RoHS

SMT Power Inductor
SIE2095210-S1 Series

■ SHAPES AND DIMENSIONS

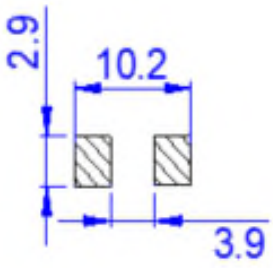


Unit: mm

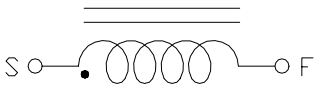
P/N	A max	B max	C max	D	E	F
SIE2095210-S1	9.0	5.2	9.7	2.4±0.2	2.5±0.5	4.0ref

Marking： XXX = Inductance

Recommend PAD Layout



Equivalent circuit



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■ PART NUMBER CODE

SIE2	095210	-	R10	L	A	-	S1
1	2		3	4	5		6

1. Series Name
2. Size Code
3. Inductance(R=Decimal Point) Unit：μH ; R10 =0.10uH
4. Inductance tolerance: ”L”±15%; ”M”±20%.
5. Soldering：A=Lead Free
6. Special code

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■ ELECTRICAL CHARACTERISTICS

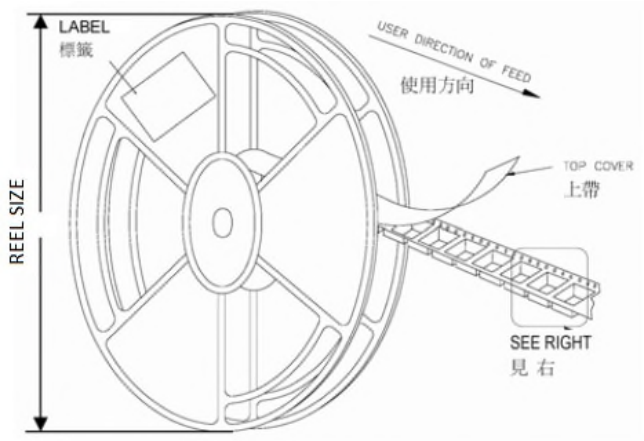
1. Part Number and Characteristics Table

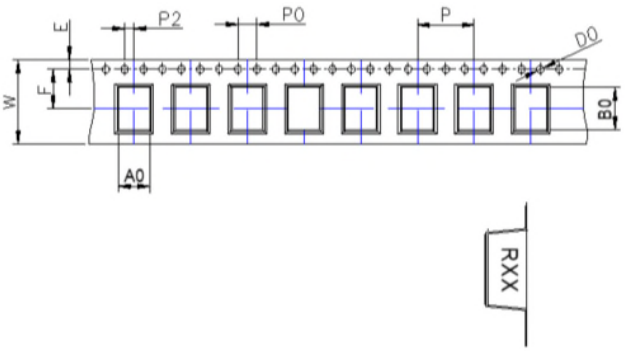
Part number	Initial Inductance (nH)	Tolerance (±%)	DCR (mΩ)	1-Saturation Current @25℃ (Amps)(typ)	2-Saturation Current @100℃ (Amps)(typ)	Temperature Rise Current (Amps)
SIE2095210-R10LA-S1	100	15	0.125±10%	80	70	63(max)
SIE2095210-R12LA-S1	120	15	0.125±10%	72	64	63(max)
SIE2095210-R33LA-S1	330	15	0.125±10%	23	19	63(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℃ (Including self - temperature rise).

■ REEL DIMENSIONS AND PACKAGING QUANTITY





Unit: mm

TYPE	W	P	REEL SIZE	PCS / REEL
SIE2095210-S1	24	12	330 mm (13”)	500

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