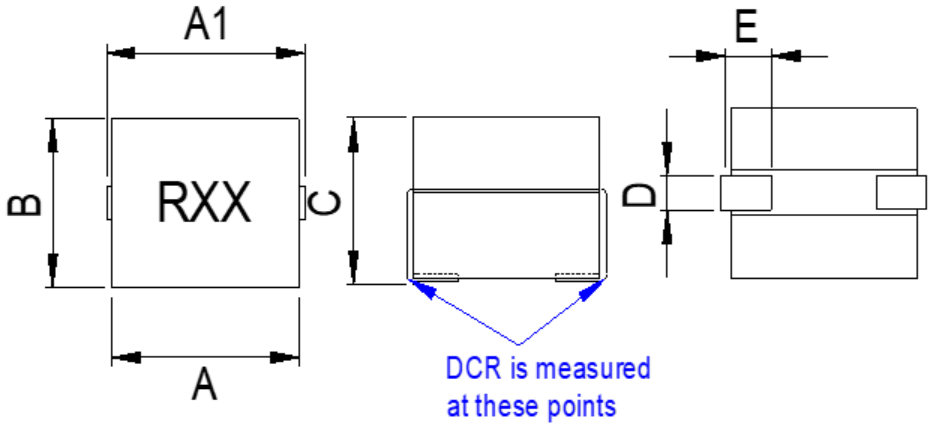
INDEX

RoHS

SMT Power Inductor
SIH110709-R29 series

■ SHAPES AND DIMENSIONS

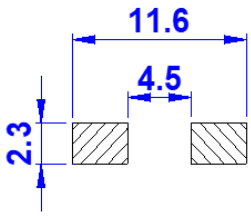


Unit: mm

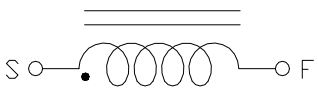
P/N	A	B	C max	D	E	A1
SIH110709-R29	9.8 ± 0.5	7.5 ± 0.5	9.0	2.0 ± 0.2	3.3 ± 0.5	11.2 ± 0.5

Marking： XXX = Inductance

Recommend PAD Layout



Equivalent circuit



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■ PART NUMBER CODE

SIH	110709	-	R15	L	A	-	R29
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%; ”M”±20%.
5. Soldering：A=Lead Free
6. Special code

■ ELECTRICAL CHARACTERISTICS

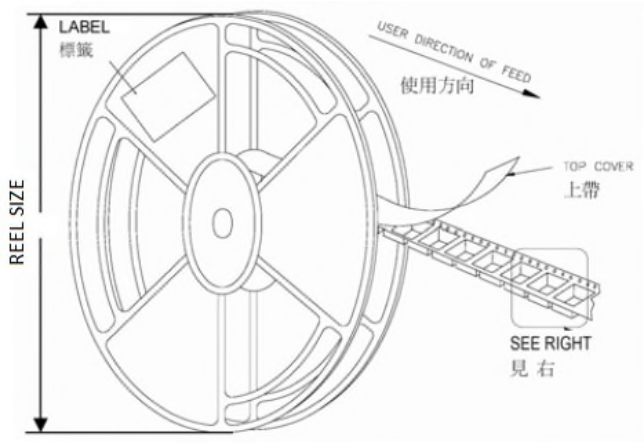
1. Part Number and Characteristics Table

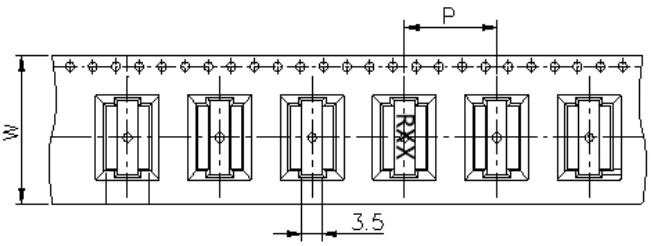
Part number	Initial Inductance (nH)	Tolerance (±%)	DCR (mΩ)	Saturation Current @25℃ (Amps)(typ)	Temperature Rise Current (Amps)(typ)
SIH110709-R15LA-R29	150.0	15	0.29 ± 7%	75	44
SIH110709-R21LA-R29	210.0	15	0.29 ± 7%	57	44
SIH110709-R28LA-R29	280.0	15	0.29 ± 7%	40	44
SIH110709-R29MA-R29	290.0	20	0.29 ± 7%	36	44
SIH110709-R36MA-R29	360.0	20	0.29 ± 7%	30	44
SIH110709-R39MA-R29	390.0	20	0.29 ± 7%	24	44
SIH110709-R40MA-R29	400.0	20	0.29 ± 7%	20	44

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℃

■ REEL DIMENSIONS AND PACKAGING QUANTITY





Unit: mm

TYPE	W	P	REEL SIZE	PCS / REEL
SIH110709-R29	24	16	330 mm (13”)	450

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