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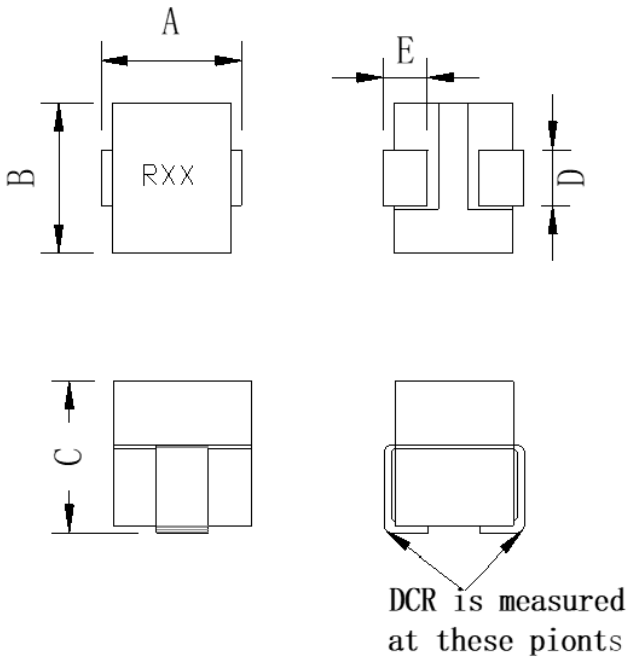
RoHS

SMT Power Inductor
SIC040404-R32 series

■ SHAPES AND DIMENSIONS

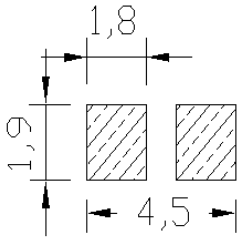


Unit: mm

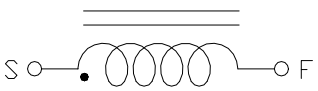
P/N	A	B	C	D	E
SIC040404-R32	3.8 ± 0.2	3.8 ± 0.2	by each	1.4 ± 0.2	1.2 ± 0.2

Marking： XXX = Inductance

Recommend PAD Layout



Equivalent circuit



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■ PART NUMBER CODE

SIC	040404	-	R10	M	A	-	R32
1	*2*		*3*	*4*	*5*		*6*

1. Series Name
2. Size Code
3. Inductance(R=Decimal Point) Unit：nH ; R10 = 0.10uH = 100nH
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)	1-Saturation Current @25℃ (Amps)(typ)	2-Saturation Current @100℃ (Amps)(typ)	Temperature Rise Current (Amps)(typ)	C mm
SIC040404-22NMA-R32	22.0	20	0.32 ± 25%	40	32	19	4.2 Max
SIC040404-65NLA-R32	65.0	15	0.32 ± 25%	24	20	19	4.0 Max
SIC040404-R10MA-R32	100.0	20	0.32 ± 25%	17	12	19	4.0 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. 2-Saturation Current test data is referenced to 100°C ambient.
- Operating temperature : -40~+125℃ (Including self - temperature rise).

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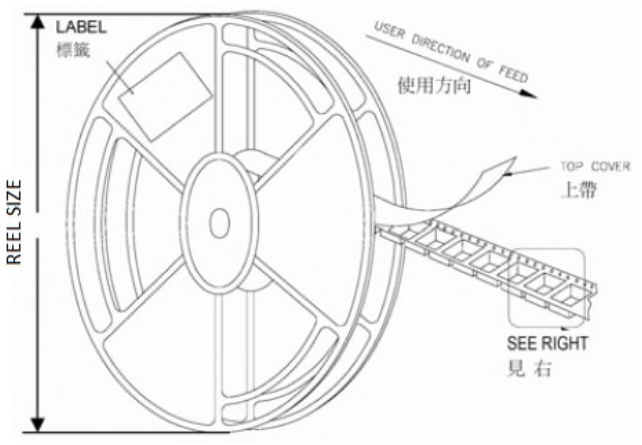
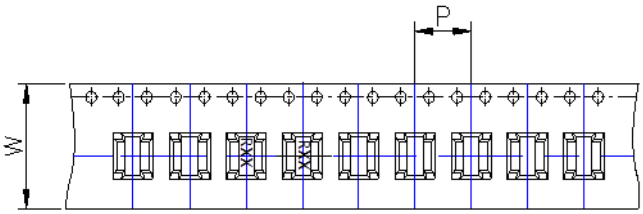
■ REEL DIMENSIONS AND PACKAGING QUANTITY





Unit: mm

TYPE	W	P	REEL SIZE	PCS / REEL
SIC040404-R32	16	8	330 mm (13”)	1800

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