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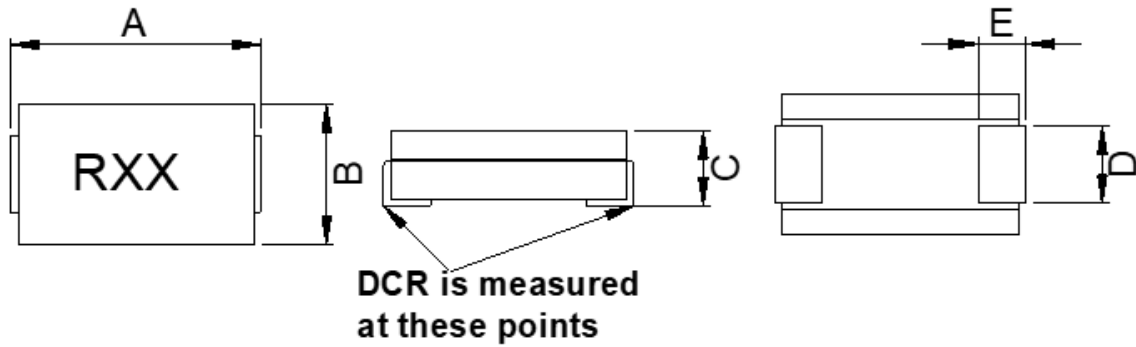
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## SMT Power Inductor SIH130704-R22 series

### ■ SHAPES AND DIMENSIONS

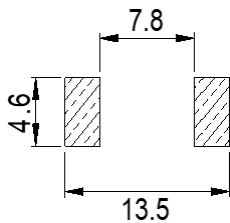


Unit: mm

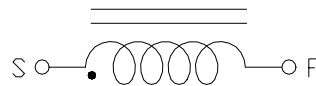
P/N	A	B	C max	D typ	E typ
SIH130704-R22	13.3 ± 0.5	7.5 ± 0.5	4.2	4.1	2.5

Marking : XXX = Inductance

Recommend PAD Layout



Equivalent circuit





## ■ PART NUMBER CODE

SIH   130704   -   R10   M   A   -   R22  
**1**        **2**                    **3**    **4**    **5**                    **6**

1. Series Name
2. Size Code
3. Inductance(R=Decimal Point) Unit : nH ; R10 = 0.1uH = 100nH
4. Inductance tolerance: "M"±20%.
5. Soldering : A=Lead Free
6. Special code



## ■ ELECTRICAL CHARACTERISTICS

### 1. Part Number and Characteristics Table

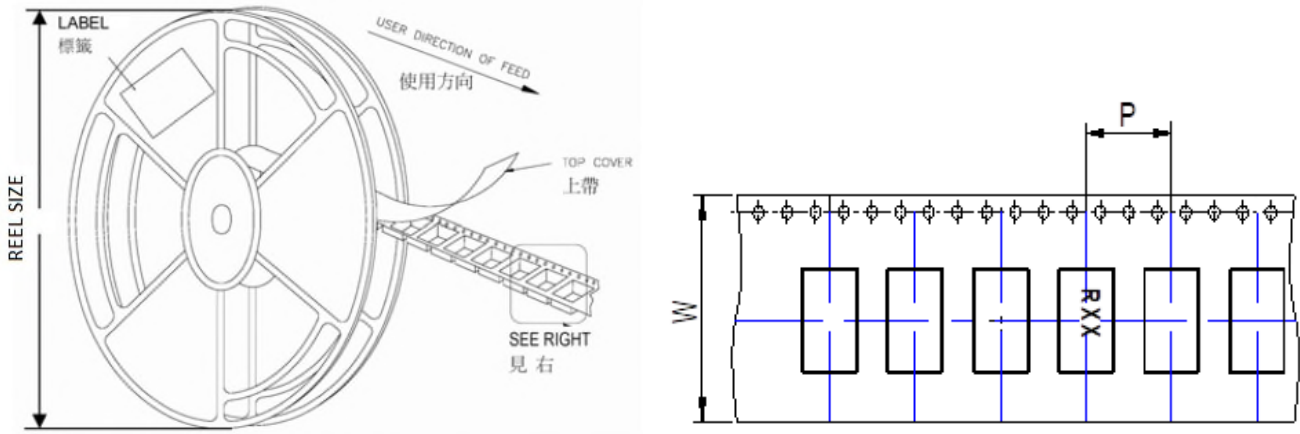
Part number	Initial Inductance (nH)	Tolerance (±%)	DCR (mΩ)	Saturation Current @25°C (Amps)(typ)	Temperature Rise Current (Amps)(typ)
SIH130704-R10MA-R22	100.0	20	0.225 ± 10%	60	45
SIH130704-R12MA-R22	120.0	20	0.225 ± 10%	53	45
SIH130704-R15MA-R22	150.0	20	0.225 ± 10%	40	45
SIH130704-R22MA-R22	220.0	20	0.225 ± 10%	30	45
SIH130704-R30MA-R22	300.0	20	0.225 ± 10%	18	45
SIH130704-R47MA-R22	470.0	20	0.225 ± 10%	12	45

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).



## ■ REEL DIMENSIONS AND PACKAGING QUANTITY



Unit: mm

TYPE	W	P	REEL SIZE	PCS / REEL
SIH130704-R22	24	12	330 mm (13")	1200