



# INDEX

SHAPES AND DIMENSIONS..... 1

PART NUMBER CODE ..... 2

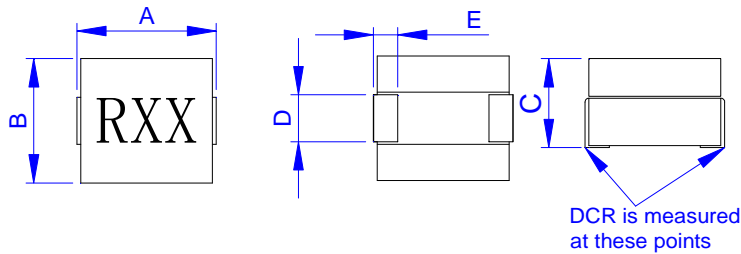
ELECTRICAL CHARACTERISTICS ..... 3

REEL DIMENSIONS AND PACKAGING QUANTITY ..... 4



## SMT Power Inductor SIH070705-R26 Series

### ■ SHAPES AND DIMENSIONS

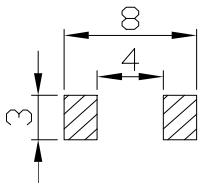


Unit: mm

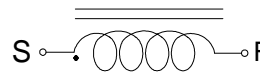
P/N	A	B	C	D	E
SIH070705-R26	7.0 ± 0.5	6.6 ± 0.5	5.0 ± 0.5	2.5 ± 0.2	1.5 ± 0.2

Marking : RXX = Inductance

Recommend PAD Layout



Equivalent circuit





## ■ PART NUMBER CODE

SIH   070705   -   R10   M   A   -   R26  
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

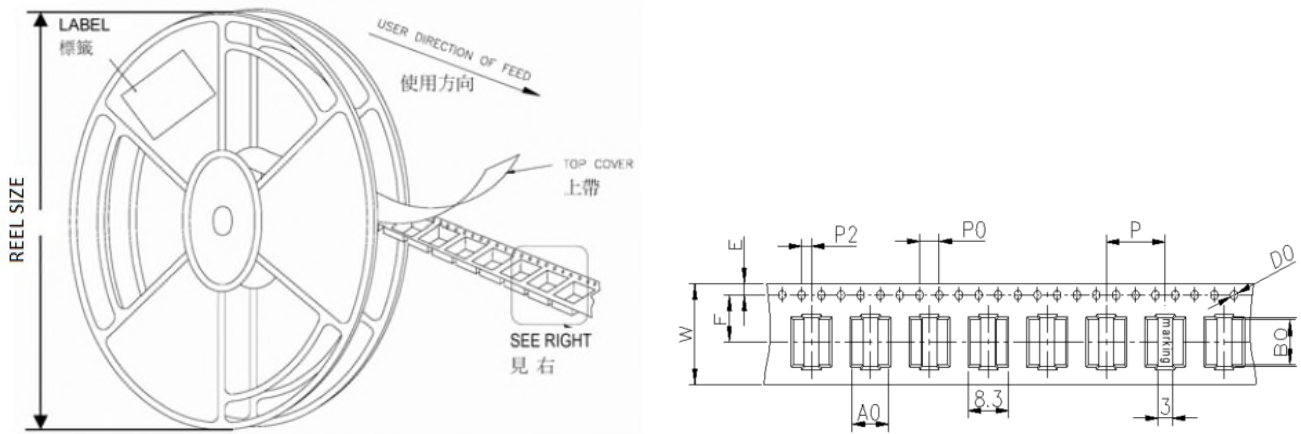
Part number	Initial Inductance (nH)	Tolerance (±%)	DCR (mΩ)	1-Saturation Current @25°C (Amps)(typ)	Temperature Rise Current (Amps)(typ)
SIH070705-47NMA-R26	47.0	20	0.26± 7%	80	40
SIH070705-72NMA-R26	72.0	20	0.26± 7%	60	40
SIH070705-R10MA-R26	100.0	20	0.26± 7%	48	40
SIH070705-R12AM-R26	120.0	20	0.26± 7%	38	40
SIH070705-R15MA-R26	150.0	20	0.26± 7%	32	40
SIH070705-R20MA-R26	200.0	20	0.26± 7%	20	40
SIH070705-R22MA-R26	220.0	20	0.26± 7%	18	40
SIH070705-R31MA-R26	310.0	20	0.26± 7%	15	40

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
SIH070705-R26	16	12	330 mm (13")	1000