



RoHS ISO9001:2008
REACH ISO14001:2004

State

- Carrier tape packing use for reflow soldering process
- High rated, low DCR, Rotundity
- Diameter:3.5mm~10mm, Height:1.0mm~6.0mm
- Lead free products, RoHS compliant
- Widely used in the buck converter, liquid crystal display, laptop, palmtop, digital products, Network communication products and so on



English

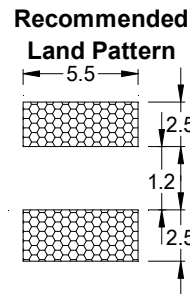
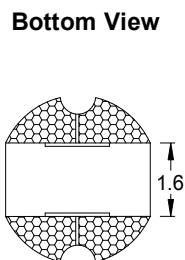
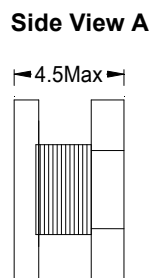
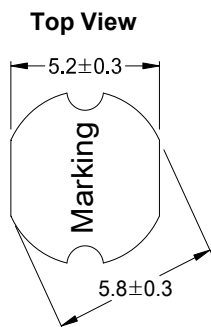
说明

- 使用载带包装运用于流焊SMT工艺
- 耐大电流，低直流电阻
- 直径：3.5mm~10mm，高度：1.0mm~6.0mm
- 无铅产品，符合RoHS指令
- 广泛应用于升降压转换器，液晶显示，笔记本电脑，掌上记事本数码产品，网络通信等

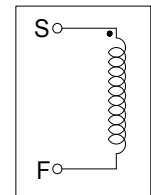


中文

Dimensions



Spice models



Electrical Characteristics

Part Number	Inductance ¹ (μH)	Tolerance (%)	DCR(mΩ) ²		Isat(A) ³ Drop ≤20%
			Nom	Max	
SP54-1R0M	1.00	±20	10.12	25.00	7.00
SP54-2R2M	2.20		15.70	30.00	4.20
SP54-3R3M	3.30		20.36	30.00	3.40
SP54-4R7M	4.70		32.48	50.00	3.00
SP54-6R8M	6.80		36.32	55.00	2.50
SP54-100K	10.00		52.76	65.00	2.10
SP54-150K	15.00	85.60	105.00	1.60	
SP54-220K	22.00	102.35	130.00	1.30	
SP54-330K	33.00	148.28	220.00	1.20	
SP54-470K	47.00	219.67	280.00	1.10	
SP54-680K	68.00	301.70	400.00	0.80	
SP54-101K	100.0	466.30	600.00	0.70	
SP54-221K	220.0	940.00	1200.0	0.50	
SP54-331K	330.0	1420.0	1800.0	0.40	
SP54-471K	470.0	2180.0	2700.0	0.30	

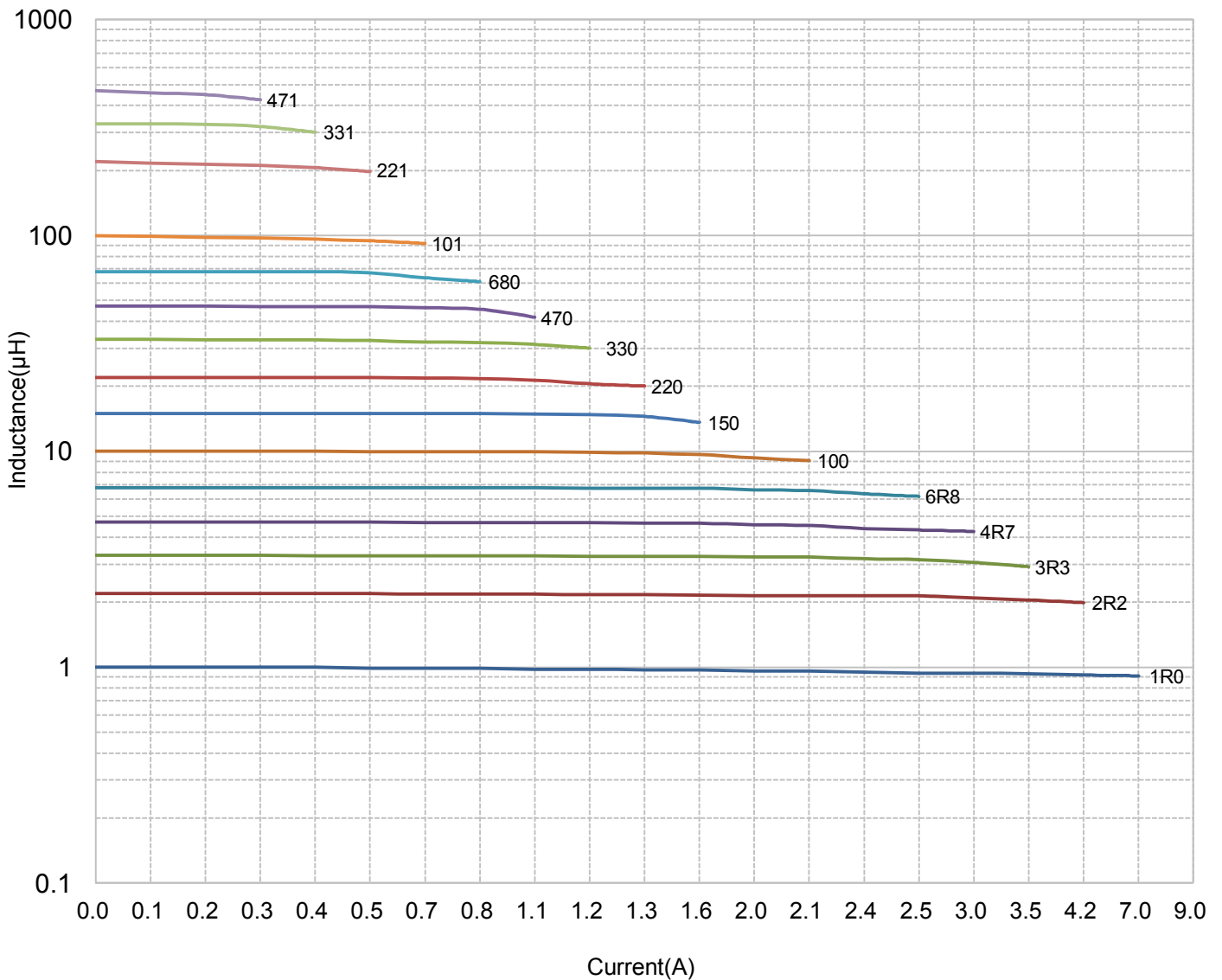
Notes

- Measurement Frequency for Inductance : 1kHz/0.25V
- DCR Measured on a 502BC ohm-meter
- The saturation current : Value of inductance decrease within 20%

注释

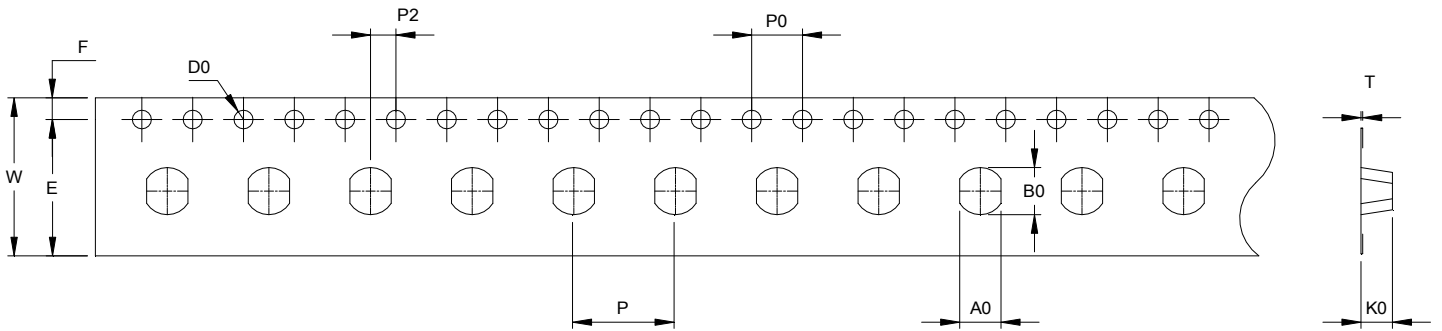
- 测试频率：1KHz/0.25V
- 直流电阻使用 502BC 电阻测试仪测试
- 饱和电流：电感值衰减幅度不超出20%的电流

Typical Inductance Vs. Current Characteristics



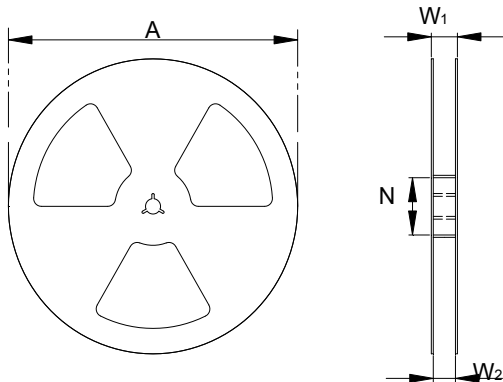
Packaging Dimensions(Unit:mm)

(1).Tape Packaging Dimensions



W	E	F	A ₀	B ₀	K ₀	T	P	P ₀	P ₂
12.0±0.3	5.5±0.1	1.75±0.1	5.2±0.1	6.4±0.1	4.55±0.1	0.3±0.05	8.0±0.1	4.0±0.1	12.0±0.1

(2).Reel Dimensions



A	N	W ₁	W ₂
330.0±2.0	100.0±2.0	18.4 Max	12.4±1.5

(3). Packaging Quantity

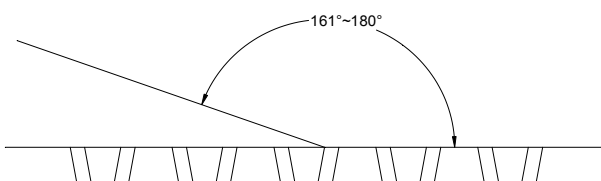


SP54 1500 Pcs/Reel

Inner Carton: L:340mm * W:340mm * H:95mm

Out Carton: L:355mm * W:355mm * H:385mm

Pull of Cover tape



Tape width	Pull-of force
12.0 mm	0.1N~1.3N