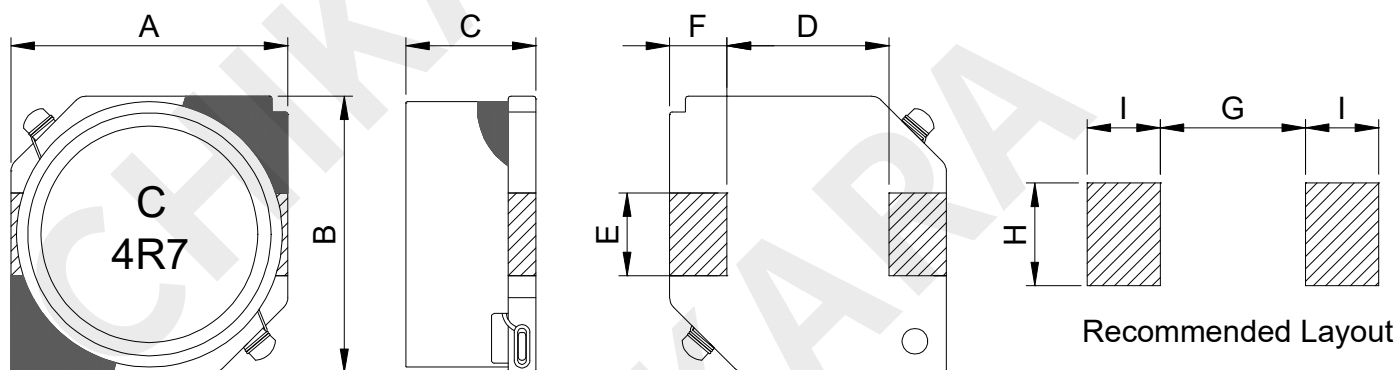


Features

- Magnetically shielded construction
- Storage temperature range:-40°C to +125°C
- Operating temperature range:-40°C to +125°C
(including coil's self-temperature rise)
- Moisture sensitivity level:1
- Packaging:1500pcs. Per 13-inch reel
- RoHs&Halogen-free compliant



Mechanical Dimension(Unit:mm)



A	B	C	D	E	F	G	H	I
6.0±0.3	6.0±0.3	2.8±0.3	3.0±0.3	2.0±0.2	1.5±0.2	3.0	2.2	2.0

Part Number Description

SP10 - 060028 4R7 M
① ② ③ ④

①	Type
②	Dimensions
③	Inductance value
④	Tolerance code

Electrical Schematic



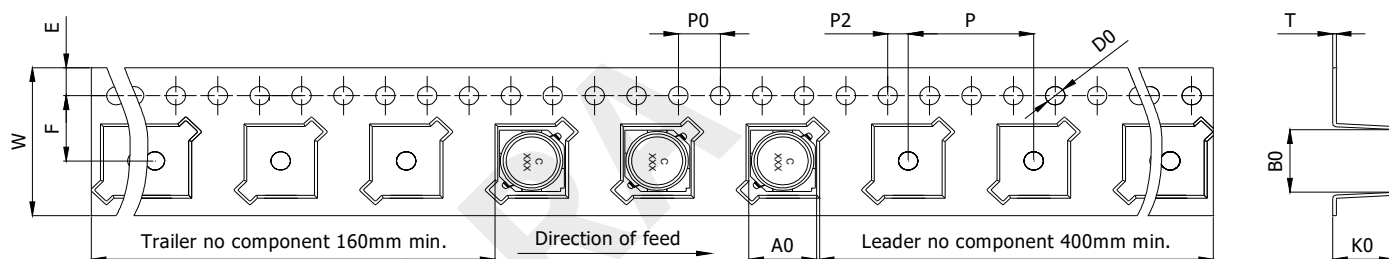
Electrical Characteristic

Part Number	Inductance L0(uH)	DCR (Ω)	Isat (A)Max.	Irms (A)Max.
SP10-0600284R7M	4.7±20%	0.0284±20%	1.60	2.50
SP10-0600286R8M	6.8±20%	0.0354±20%	1.50	2.20
SP10-060028100M	10±20%	0.0532±20%	1.30	1.80
SP10-060028150M	15±20%	0.0745±20%	1.00	1.40
SP10-060028220M	22±20%	0.104±20%	0.77	1.30
SP10-060028330M	33±20%	0.148±20%	0.69	1.10
SP10-060028470M	47±20%	0.210±20%	0.59	0.92
SP10-060028680M	68±20%	0.290±20%	0.50	0.78
SP10-060028101M	100±20%	0.430±20%	0.42	0.64
SP10-060028151M	150±20%	0.650±20%	0.34	0.50
SP10-060028221M	220±20%	0.980±20%	0.26	0.38

- Test frequency and voltage:100KHz,0.1Vrms.
- All test data referenced to 25°C ambient.
- Saturation current(Isat) will cause L0 to drop approximately 30%.
- Heat rated current(Irms) will cause the coil temperature rise approximately Δt of 40°C.

Packaging Specification

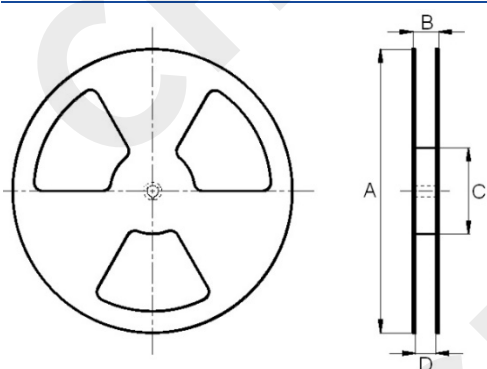
- Carrier Tape (Unit:mm)



W	P	A0	B0	K0	E	F	P0	P2	D0	T
16.0±0.3	12.0±0.1	6.5±0.1	6.5±0.1	3.3±0.1	1.75±0.1	7.5±0.1	4.0±0.1	2.0±0.1	Φ1.5±0.1	0.35±0.05

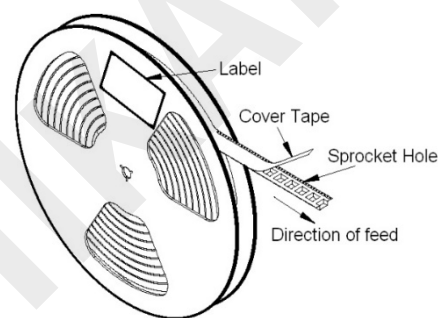
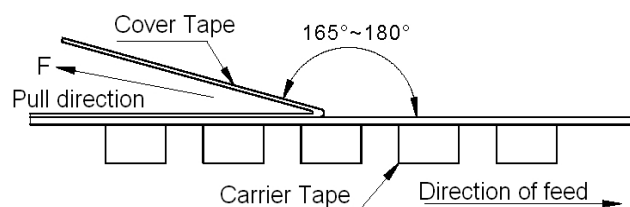
- Reel (Unit:mm)

A	B	C	D
Φ330±1.0	22.1Max.	Φ100±1.0	16.5±0.5



- Taping Method

Peel-off strength	Peel-off angle	Peel-off speed
F=0.1N~1.3N	165°~180°	300mm/min.



✖ Packing is referred to the international standard IEC 60286-3.

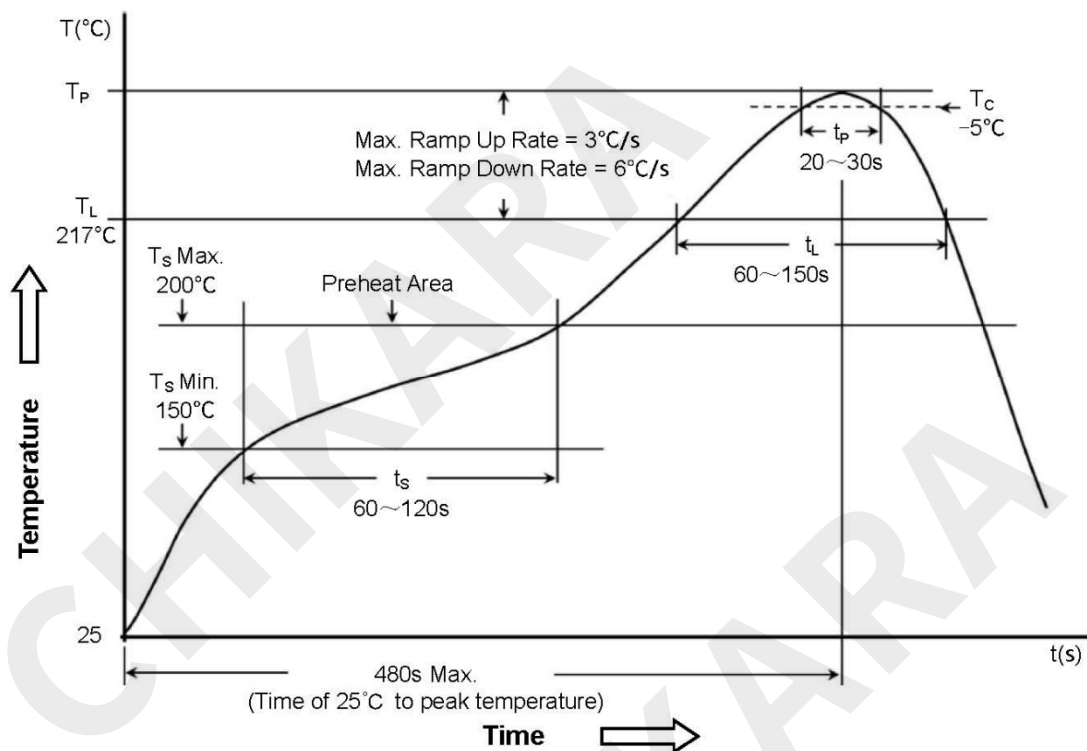
- Package Quantity

Parts per reel

1500Pcs

Soldering Specification

- Reflow profile for SMT components



- Classification of peak package body temperature (Tp)

	Package Thickness	Package Volume		
		<350mm ³	350~2000mm ³	>2000mm ³
PB-Free Assembly	<1.6mm	260°C	260°C	260°C
	1.6~2.5mm	260°C	250°C	245°C
	≥2.5mm	250°C	245°C	245°C

※ Reflow is referred to standard IPC/JEDEC J-STD-020D.