

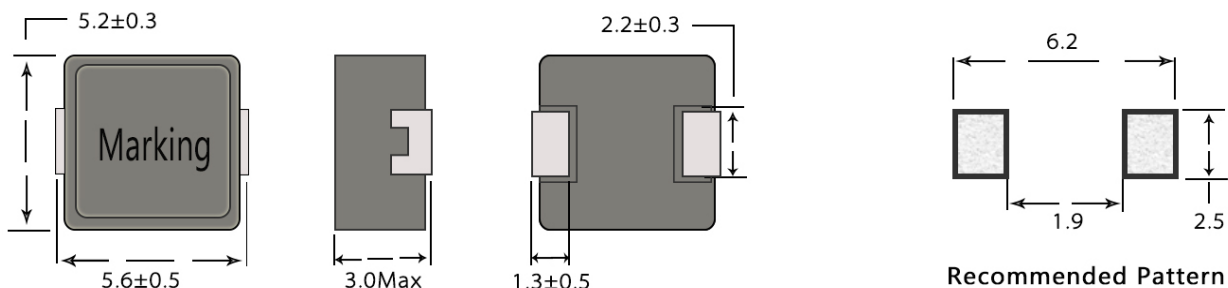
Product Description

RoHS, Halogen Free and REACH Compliance Low resistance and high current rating Magnetic core made by high performance magnetic powder



Physical dimensions

Unit: MM



Electrical Characteristics

PART NUMBER	Inductance (μ H) $\pm$ 20%	DCR(m Ω) @25°C		Heat Rating Current DC Amps.Idc(A)	Saturation Current DC Amps.Isat(A)
		Typical	Maximum	Typical	Typical
WHC0530-R47M-HK	0.47 $\pm$ 20%	6.50	7.80	11.00	18.00
WHC0530-R68M-HK	0.68 $\pm$ 20%	7.30	8.80	10.00	14.50
WHC0530-1R0M-HK	1.00 $\pm$ 20%	11.00	13.00	8.80	12.00
WHC0530-1R5M-HK	1.50 $\pm$ 20%	15.50	18.60	8.00	10.50
WHC0530-2R2M-HK	2.20 $\pm$ 20%	25.00	29.00	5.50	9.00
WHC0530-3R3M-HK	3.30 $\pm$ 20%	34.00	40.00	4.80	8.00
WHC0530-4R7M-HK	4.70 $\pm$ 20%	47.00	57.00	4.50	6.00
WHC0530-6R8M-HK	6.80 $\pm$ 20%	70.00	77.00	3.00	5.00
WHC0530-8R2M-HK	8.20 $\pm$ 20%	96.00	105.00	2.80	5.00
WHC0530-100M-HK	10.00 $\pm$ 20%	124.00	136.00	2.20	3.70
WHC0530-150M-HK	15.00 $\pm$ 20%	192.00	211.00	2.00	3.00
WHC0530-220M-HK	22.00 $\pm$ 20%	230.00	253.00	1.50	2.50
WHC0530-330M-HK	33.00 $\pm$ 20%	350.00	385.00	1.20	2.00

Remark: 1. All test data is reference to 25°C ambient.

2. Test Condition: 100kHz, 1V

3. Idc: DC current (A) that will cause an approximate Δ T of 40°C

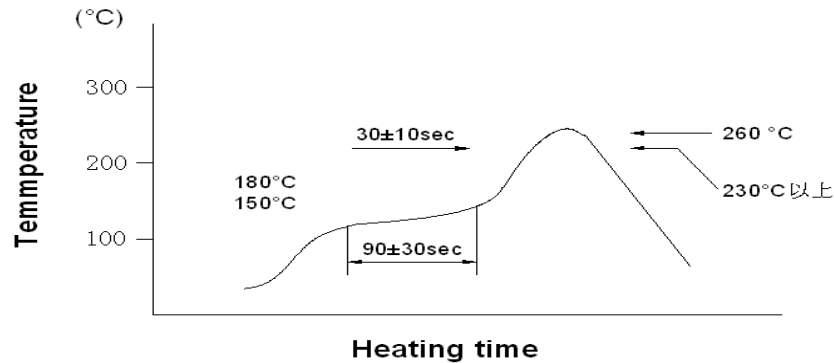
4. Isat: DC current (A) that will cause L0 to drop approximately 30% Typ.

5. Operat between temperature range -40°C to +125°C

Soldering Profile

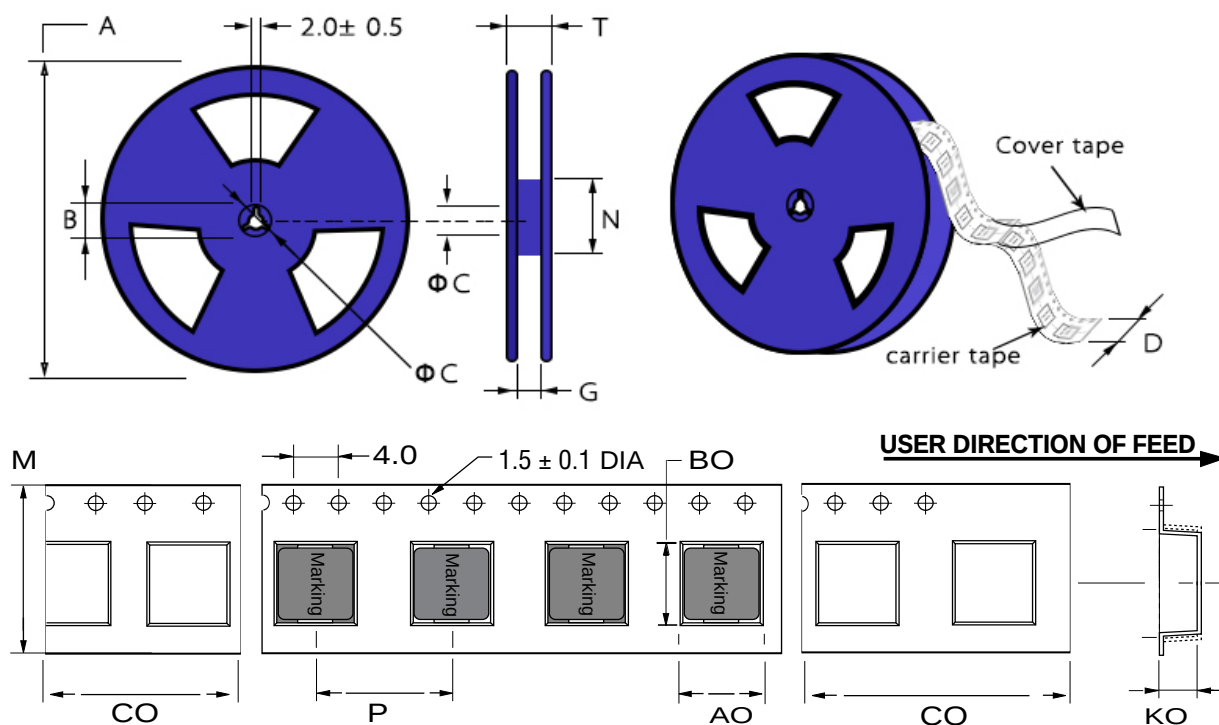
Reflow soldering condition:

- 1 回数: 2 回
- 2 Reflow times: 2times max.
- 3 We recommend infrared ray as heat source of reflow bath.
- 4 However halogen lamp shall be used, side heat will be beyond range of resistance heat, so we can't recommend it.



Packaging Specifications

Unit: MM



Size	P	W	A0	B0	K0
0420	8.00 ± 0.10	12.00 ± 0.30	4.40 ± 0.20	4.90 ± 0.20	2.20 ± 0.15
0520	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	2.20 ± 0.15
0530	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	3.20 ± 0.15
0630	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	3.20 ± 0.15
0650	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	5.20 ± 0.15
0850	12.00 ± 0.10	24.00 ± 0.30	8.40 ± 0.20	9.90 ± 0.10	5.20 ± 0.15
1040	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	4.20 ± 0.15
1050	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	5.20 ± 0.15
1250	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	5.20 ± 0.15
1265	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	6.80 ± 0.15