



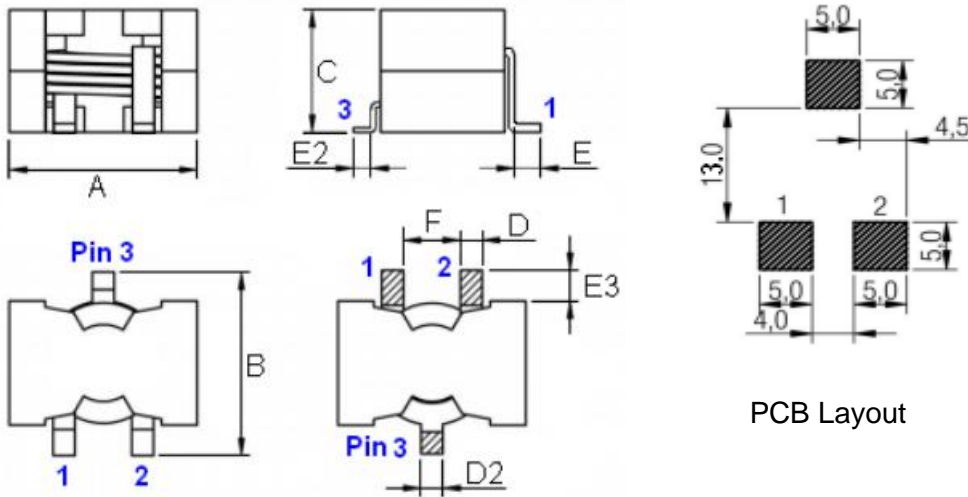
Product description:

1. Assemblage design, sturdy structure.
2. High inductance, high current, low magnetic loss, low ERS, small parasitic capacitance.
3. Flat wire winding, achieve a low DCR.
4. Temperature rise current and saturation current is less influenced by environment.
5. Operating temperature: $-25^{\circ}\text{C} \sim 125^{\circ}\text{C}$.
6. Placement form is SMD.

Explanation of part numbers

1	2	3	4	5
SER	2014	T	3R6	M
<u>Series Codes</u>	<u>Size Codes</u>	<u>Pin No. 3</u>	<u>Inductance Codes</u>	<u>Tolerance</u>

Boundary dimension (unit: mm)



A	B	C	D	D2	E	E2	E3	F
22.0 Max	22.5-24.5Max	14.5 Max	2.2--3.8	2.5 Ref.	2.0-3.5	2.0 Ref.	4.0-7.5	4.0--7.0

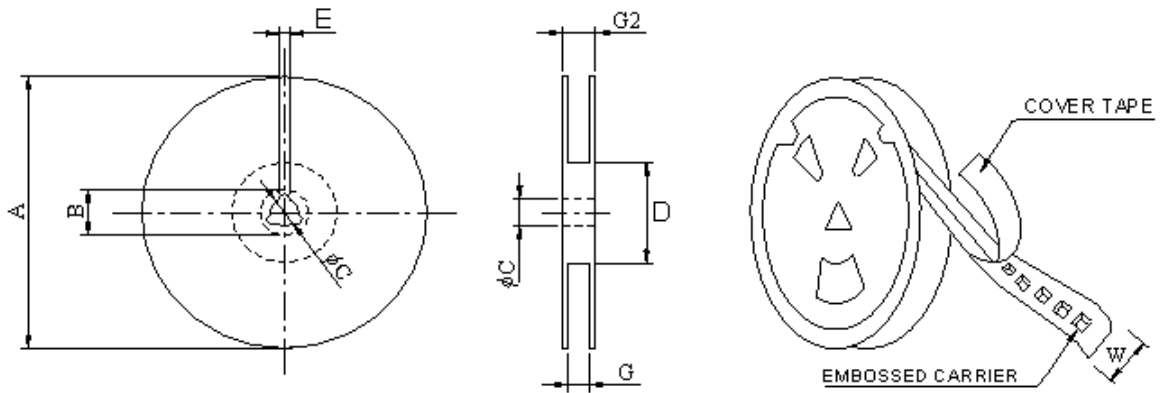
**Electrical Characteristics: TEST CONDITION: AT 25°C, 100KHz / 0.1V**

Part No.	Lo(0A) (μ H) \pm 20%	I _{rms} (A) Type.	I _{sat} (A) Type.	DCR(m Ω) Type.	DCR(m Ω) Max.	Material	Size B (mm)	DCR REF.
SER2014T-R70M	0.7	32	75	0.83	0.92	MnZn	24.5	REF.
SER2014T-1R4M	1.4	31.5	60	1.08	1.19	MnZn		REF.
SER2014T-2R2M	2.2	28	52	1.50	1.65	MnZn		REF.
SER2014T-3R1M	3.1	26	45	2.09	2.30	MnZn		REF.
SER2014T-4R2M	4.2	24	38	3.04	3.35	MnZn		REF.
SER2014T-5R5M	5.5	22	33	4.00	4.40	MnZn		REF.
SER2014T-6R8M	6.8	21	30	6.70	8.00	MnZn	22.5	Confirmed
SER2014T-8R6M	8.6	17	25	6.70	8.00	MnZn		Confirmed
SER2014T-100M	10	16	23	6.70	8.00	MnZn		Confirmed
SER2014T-150M	15	14	21	9.10	10.90	MnZn		Confirmed
SER2014T-220M	22	12.5	15	9.10	10.90	MnZn		Confirmed
SER2014T-330M	33	12	11	9.10	10.90	MnZn		Confirmed
SER2014T-470M	47	12	8.5	12.20	13.50	MnZn		REF.

NOTE:

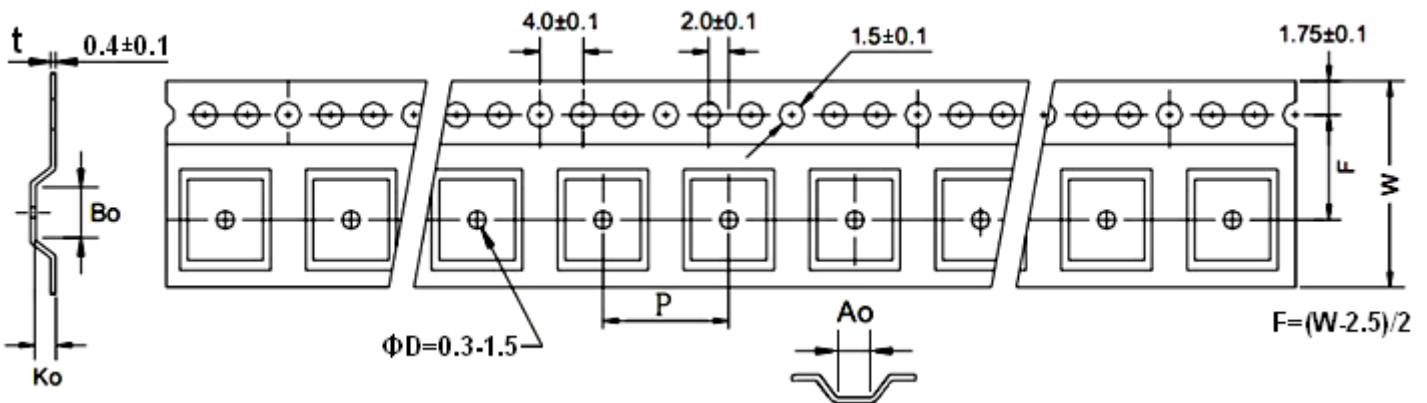
- All test data is referenced to 25°C ambient.
- I_{rms}: DC current(A) that will cause an approximate Δ T of 40°C.
- I_{sat}: DC current(A) that will cause Lo to drop approximate 30%.
- Operating temperature range is -25°C to 125°C.
- The part temperature(ambient and temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

PACKING INFORMATION



*CARRIER TAPE WIDTH: W

TYPE	A(Ref.)	B(Ref.)	C(Ref.)	D(Ref.)	E(Ref.)	G(Ref.)	G2(Ref.)
13"×24mm	330±1	20±0.8	13±0.5	100±1	2.0±0.5	44.5±0.5	49±0.5



Series	QTY (Pcs/Reel)	Ao	Bo	Ko	W	P
SER2014	120 Ref.	24.5	21.5	17.5	44	32

Typical Pulling Force: 10-130 grams

