



AXMSER2014 SERIES

规格书

客户

客户料号

科明规格料号

版本

日期

AXMSER2014 SERIES

A

2021/9/23

制做: 梁雨

确认: 王金鹏

承认: 王凯

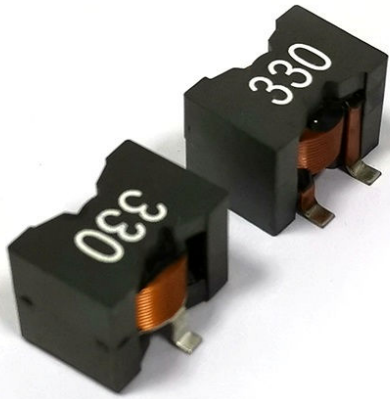
CUSTOMER APPROVE

Please fax back after confirm of signature.

深圳市安欣美电子科技有限公司

联系人: 黄厚彩 E-mail: Axmsales008@163.com 电话: 18681505326

AXMSER2014 SERIES



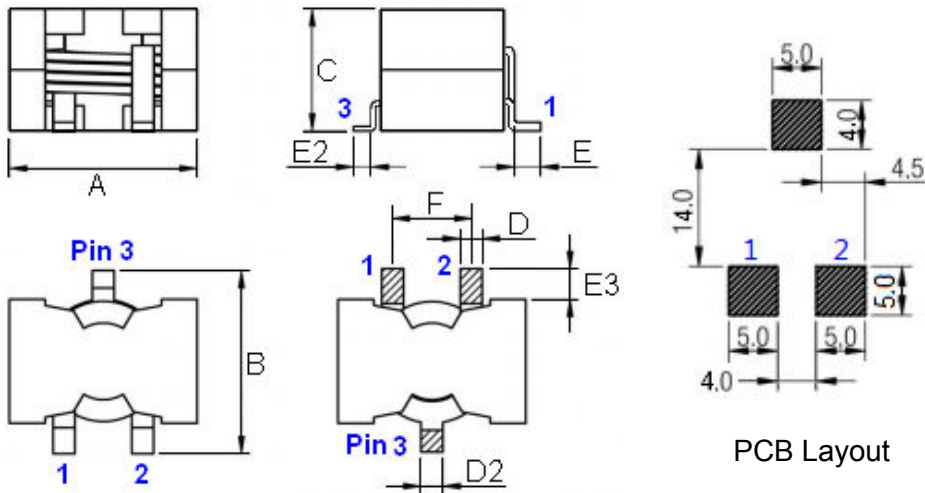
Product description:

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 AXM S E R <u>Series Codes</u>	4 5 6 7 2 0 1 4 <u>Size Codes</u>	8 T <u>Pin No. 3</u>	-	9 10 11 3 R 6 <u>Inductance Codes</u>	12 M <u>Tolerance</u>
--	--	-----------------------------------	---	--	------------------------------------

Boundary dimension (unit: mm)



A	B	C	D	D2	E	E2	E3	F
22.0 Max	21.5-22.5Max	14.5 Max	2.5 ± 0.2	2.5 Ref.	2.5 ± 0.5	2.0 Ref.	3.5-7.0	9.0 ± 0.5



AXMSER2014 SERIES

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

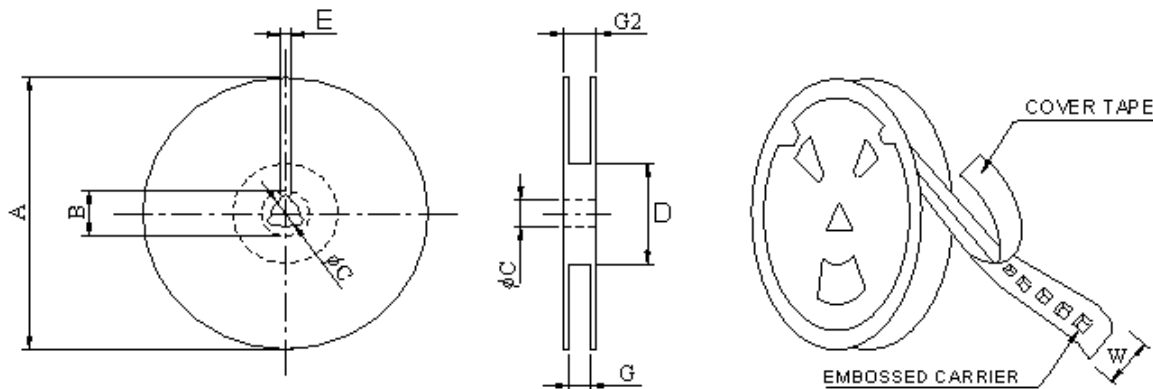
Part No.	Lo(0A) (μH)±20%	Irms(A) Type.	Isat(A) Type.	DCR(mΩ) Type.	DCR(mΩ) Max.	Material	Size B (mm)	DCR REF.
AXMSER2014T-R70M	0.7	32	75	0.83	0.92	MnZn	22.5	REF.
AXMSER2014T-1R4M	1.4	31.5	60	1.08	1.19	MnZn		REF.
AXMSER2014T-2R2M	2.2	28	52	1.50	1.65	MnZn		REF.
AXMSER2014T-3R1M	3.1	26	45	2.09	2.30	MnZn		REF.
AXMSER2014T-4R2M	4.2	24	38	3.04	3.35	MnZn		REF.
AXMSER2014T-5R5M	5.5	22	33	4.00	4.40	MnZn		REF.
AXMSER2014T-6R8M	6.8	21	30	6.70	8.00	MnZn	21.5	Confirmed
AXMSER2014T-7R0M	7.0							
AXMSER2014T-8R6M	8.6	17	25	6.70	8.00	MnZn		Confirmed
AXMSER2014T-100M	10	16	23	6.70	8.00	MnZn		Confirmed
AXMSER2014T-150M	15	14	21	9.10	10.90	MnZn		Confirmed
AXMSER2014T-220M	22	13	15	9.10	10.90	MnZn		Confirmed
AXMSER2014T-330M	33	12	11	9.10	10.90	MnZn	Confirmed	
AXMSER2014T-470M	47	12	8.5	12.20	13.50	MnZn	REF.	

NOTE:

1. All test data is referenced to 25°C ambient.
2. Irms: DC current(A) that will cause an approximate Δ T of 40°C.
3. Isat: DC current(A) that will cause Lo to drop approximate 30%.
4. Operating temperature range is -25°C to 125°C.
5. 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.

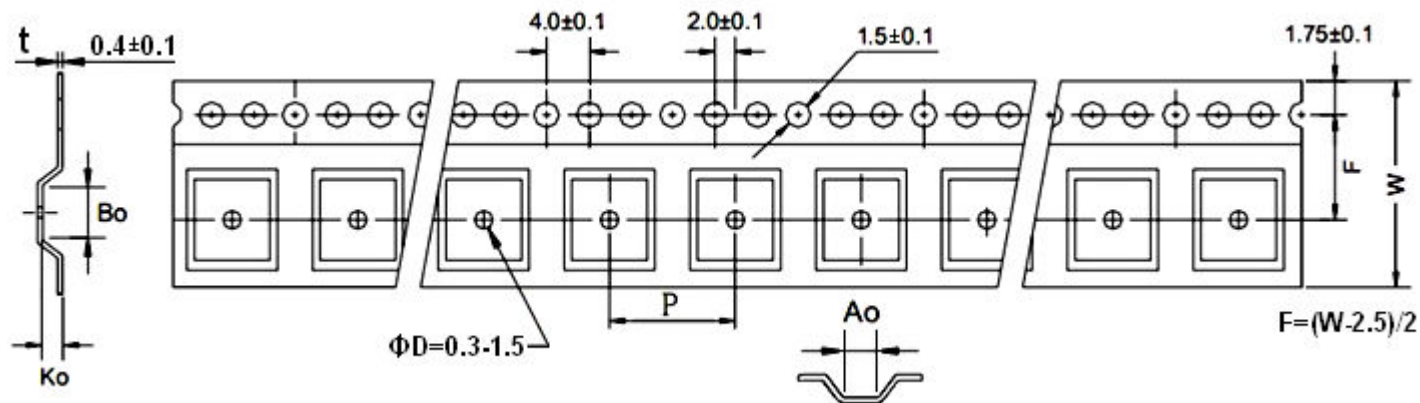
AXMSER2014 SERIES

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
HKSER2014	120 Ref.	24.5	21.5	17.5	44	32

Typical Pulling Force: 10-130 grams

