



EC 型绕线片式电感器规格书

THE STANDARD STYLE BOOK OF CHIP INDUCTORS

(MODEL EC453232 系列 SERIES)

承认印栏 Signature sheet of acceptor

内蒙古鄂尔多斯电子有限责任公司。

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■ 特性 Features

- 本产品电极引脚表面采用无铅镀层。
Lead-free materials is used for the plating on the terminals.
- 产品使用的金属引脚电极，具有可靠的连接性能。
The product uses metal terminals, which realize excellent connection reliability.
- 具有很高的抗热抗湿性、抗机械振动和挤压，适用于表面贴装。
High resistance to heat, humidity, mechanical shocks and presser. Accurate dimensions for automatically surface mounted.
- 对于无铅化回流焊接条件，具有高度的耐热性。
The product has good heat durability that withstands lead-free compatible reflow soldering conditions.

■ 用途 Application

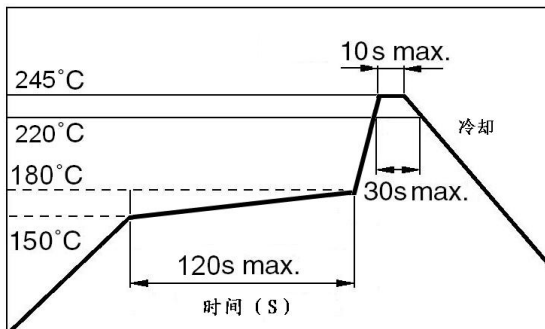
- 可用于计算机、电源、通讯设备、仪器仪表、电视音响等领域的电子电路中。
EM series high reliable wire would chip inductors for communication, equipment, instrument, video & audio have been developen in response to the trend toward higher density mounting of parts in electric circuits.

■ 使用温度 Operating temperature

温度范围 Range $-25 \sim +85^{\circ}\text{C}$

■ 推荐的回流焊接条件

Recommended soldering conditions reflow soldering



■ 产品的型号及尺寸

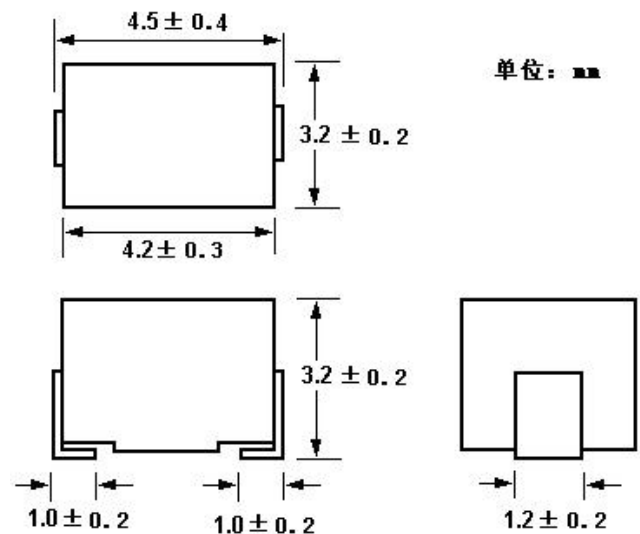
Type Designation & Outer dimensions

(1) 产品系列型号 Type Designation

EC 45 T- 2R2 M
(1) (2) (3) (4) (5)

(2) 外形尺寸 Outer dimensions L × W × T

45 (1812) 公制 $4.5 \times 3.2 \times 3.2\text{mm}$
英制 $0.180 \times 0.125\text{ inch}$



(3) 包装类型 Packing style

T 编带 (卷轴) Taping

(4) 电感值 Inductance value

1R0	1μH
330	33μH
331	330μH

(5) 电感允差 Inductance tolerance

K	±10%
M	±20%

■ 包装类型与数量 Packing style and Quantity

包装类型	编带
数量	500 支/盘

■ 锡膏与清洗 Soldering paste and Cleaning

- 推荐使用松香锡膏。 Recommended soldering paste is blended with colophony.
- 清洗条件：选择环保的清洗剂，应避免使用强酸和强碱，时间不超过2分钟。
Cleaning: Avoid strong acid and alkali, 2 minutes Max.

■ 电气特性 Electrical characteristics

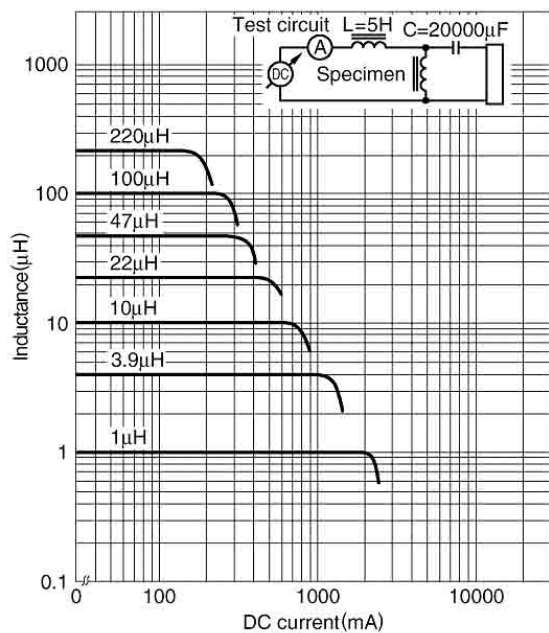
电感值 Inductance (μ H)	电感允差 Inductance tolerance	Q 值 min.	测试频率 Test frequency L,Q (MHz)	自谐频率 Self-resonant frequency (MHz)min.	直流电阻 DC resistance (Ω) max.	额定电流 Rated current. (mA)max.	产品规格型号 Part No.
1.0	$\pm 10\%$	10	7.96	180	0.11	1050	EC453232T-1R0K
1.2	$\pm 10\%$	10	7.96	160	0.12	1000	EC453232T-1R2K
1.5	$\pm 10\%$	10	7.96	130	0.15	950	EC453232T-1R5K
1.8	$\pm 10\%$	10	7.96	100	0.16	900	EC453232T-1R8K
2.2	$\pm 10\%$	10	7.96	80	0.18	850	EC453232T-2R2K
2.7	$\pm 10\%$	10	7.96	60	0.20	800	EC453232T-2R7K
3.3	$\pm 10\%$	10	7.96	45	0.22	750	EC453232T-3R3K
3.9	$\pm 10\%$	10	7.96	40	0.24	700	EC453232T-3R9K
4.7	$\pm 10\%$	10	7.96	35	0.27	650	EC453232T-4R7K
5.6	$\pm 10\%$	10	7.96	30	0.30	650	EC453232T-5R6K
6.8	$\pm 10\%$	10	7.96	28	0.35	600	EC453232T-6R8K
8.2	$\pm 10\%$	10	7.96	25	0.40	600	EC453232T-8R2K
10	$\pm 10\%$	10	2.52	22	0.50	550	EC453232T-100K
12	$\pm 10\%$	10	2.52	21	0.60	500	EC453232T-120K
15	$\pm 10\%$	10	2.52	20	0.70	450	EC453232T-150K
18	$\pm 10\%$	10	2.52	19	0.80	400	EC453232T-180K
22	$\pm 10\%$	10	2.52	18	0.9	370	EC453232T-220K
27	$\pm 10\%$	10	2.52	16	1.2	330	EC453232T-270K
33	$\pm 10\%$	10	2.52	14	1.4	300	EC453232T-330K
39	$\pm 10\%$	10	2.52	12	1.6	280	EC453232T-390K
47	$\pm 10\%$	10	2.52	11.5	1.9	260	EC453232T-470K
56	$\pm 10\%$	10	2.52	11	2.2	240	EC453232T-560K
68	$\pm 10\%$	10	2.52	10	2.6	220	EC453232T-680K
82	$\pm 10\%$	10	2.52	9	3.5	200	EC453232T-820K
100	$\pm 10\%$	20	0.796	8	4.0	180	EC453232T-101K
120	$\pm 10\%$	20	0.796	7.5	4.5	160	EC453232T-121K
150	$\pm 10\%$	20	0.796	7	6.5	140	EC453232T-151K
180	$\pm 10\%$	20	0.796	6.5	7.5	120	EC453232T-181K
220	$\pm 10\%$	20	0.796	5.5	9.0	120	EC453232T-221K
270	$\pm 10\%$	20	0.796	5	11	100	EC453232T-271K
330	$\pm 10\%$	20	0.796	4	13	90	EC453232T-331K

L, Q 测试设备: HP4285A +16034E, 或 同等设备。 Test equipment L, Q: HP4285A +16034E, or equivalent.

- 自谐频率: HP8753C 网络分析仪。SRF: HP8753C NETWORK ANALYZER, or equivalent.
- 直流电阻: AX-111A 数字毫欧表, 或同等设备。DC resistance: AX-111A DIGITAL MILLIOHM METER, or equivalent.

■ 特性图 Characteristics

直流叠加特性图



阻抗频率特性图

