

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

Surface Mount Toroids



POWER INDUCTORS

• **Application Versatility**

Coupled inductors;
 1:1 isolation transformers

• **UL94VO Header Material**

• **Low EMI Radiation**

Lead Pad Coplanarity Max.

0.002 inches; 0.05 mm

Inductance values

from 0.49 µH to 300 µH

Physical Parameters

	Inches	Millimeters
A	0.594 ± 0.015	15.09 ± 0.38
B	0.250 Max.	6.35 Max.
C	0.070 ± 0.020	1.78 ± 0.51
D	0.450 ± 0.020	11.43 ± 0.51
E	0.520	13.21
F	0.520	13.21
G	0.120 Sq.	3.05 Sq.

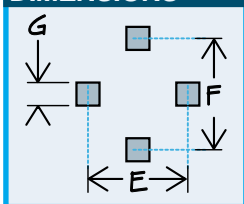
Weight Max. (Grams) 2.0

Soldering Internal solder connections
 use high temperature solder

*Complete part # must include series
 # PLUS the dash #

For further surface finish
 information, refer to TECHNICAL
 section of this catalog.

**LAND PATTERN
 DIMENSIONS**



DASH NUMBER*	PARALLEL RATINGS				SERIES RATINGS			
	OPEN CIRCUIT INDUCTANCE (µH) @ 1KHz ± 20%	FULL LOAD CURRENT ADC**	FULL LOAD INDUCTANCE (µH) REF. @ 1 KHz	DC RESISTANCE NOMINAL (Ohms)	OPEN CIRCUIT INDUCTANCE (µH) @ 1KHz ± 20%	FULL LOAD CURRENT ADC**	FULL LOAD INDUCTANCE (µH) REF. @ 1 KHz	DC RESISTANCE NOMINAL (Ohms)
SERIES CMT4545 FERROUS ALLOY								
-00M	0.49	8.7	0.37	0.004	2.00	4.4	1.48	0.016
-02M	0.87	7.8	0.63	0.005	3.50	3.9	2.52	0.020
-04M	1.50	7.1	0.89	0.006	5.40	3.6	3.56	0.024
-06M	2.00	6.6	1.21	0.007	7.80	3.3	4.84	0.028
-08M	5.60	4.7	3.08	0.014	22.0	2.3	12.3	0.056
-10M	8.20	4.4	4.05	0.016	31.2	2.2	16.2	0.064
-12M	10	3.9	5.41	0.020	42.4	2.0	21.6	0.080
-14M	15	3.6	7.03	0.024	62.5	1.8	28.1	0.096
-16M	22	2.6	11.2	0.045	86.5	1.3	45.0	0.180
-18M	27	2.5	13.1	0.049	105	1.2	52.3	0.196
-20M	33	2.3	15.9	0.056	135	1.2	63.5	0.224
-22M	50	1.9	24.4	0.086	208	0.94	97.7	0.344
-24M	68	1.7	31.5	0.101	280	0.87	126	0.404
-26M	75	1.6	34.8	0.125	300	0.78	139	0.500
-28M	100	1.4	46.1	0.152	420	0.71	184	0.608
-30M	150	1.0	79.0	0.300	610	0.51	316	1.200
-32M	200	0.94	96.6	0.343	805	0.47	386	1.372
-34M	250	0.79	130	0.486	1000	0.40	520	1.944
-36M	300	0.75	146	0.536	1200	0.38	584	2.144
SERIES CMT4545 HIGH SATURATION CORE								
-100M	0.49	8.7	0.45	0.004	2.00	4.4	1.80	0.016
-102M	0.87	7.8	0.77	0.005	3.50	3.9	3.08	0.020
-104M	1.50	7.1	1.16	0.006	5.40	3.6	4.64	0.024
-106M	2.00	6.6	1.62	0.007	7.80	3.3	6.48	0.028
-108M	5.60	4.7	4.38	0.014	22.0	2.3	17.5	0.056
-110M	8.20	4.4	6.08	0.016	31.2	2.2	24.3	0.064
-112M	10	3.9	7.63	0.020	42.4	2.0	30.5	0.080
-114M	15	3.6	10.8	0.024	62.5	1.8	43.1	0.096
-116M	22	2.6	15.6	0.045	86.5	1.3	62.2	0.180
-118M	27	2.5	18.8	0.049	105	1.2	75.4	0.196
-120M	33	2.3	24.0	0.056	135	1.2	96.0	0.224
-122M	50	1.9	36.9	0.086	208	0.94	148	0.344
-124M	68	1.7	49.0	0.101	280	0.87	196	0.404
-126M	75	1.6	52.6	0.125	300	0.78	210	0.500
-128M	100	1.4	72.2	0.152	420	0.71	289	0.608
-130M	150	1.0	108	0.300	610	0.51	431	1.200
-132M	200	0.94	143	0.343	805	0.47	571	1.372
-134M	250	0.79	182	0.486	1000	0.40	730	1.944
-136M	300	0.75	216	0.536	1200	0.38	864	2.144

** Note The full load current is the current rating that will cause a maximum temperature rise of 35°C from a 90°C ambient