



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

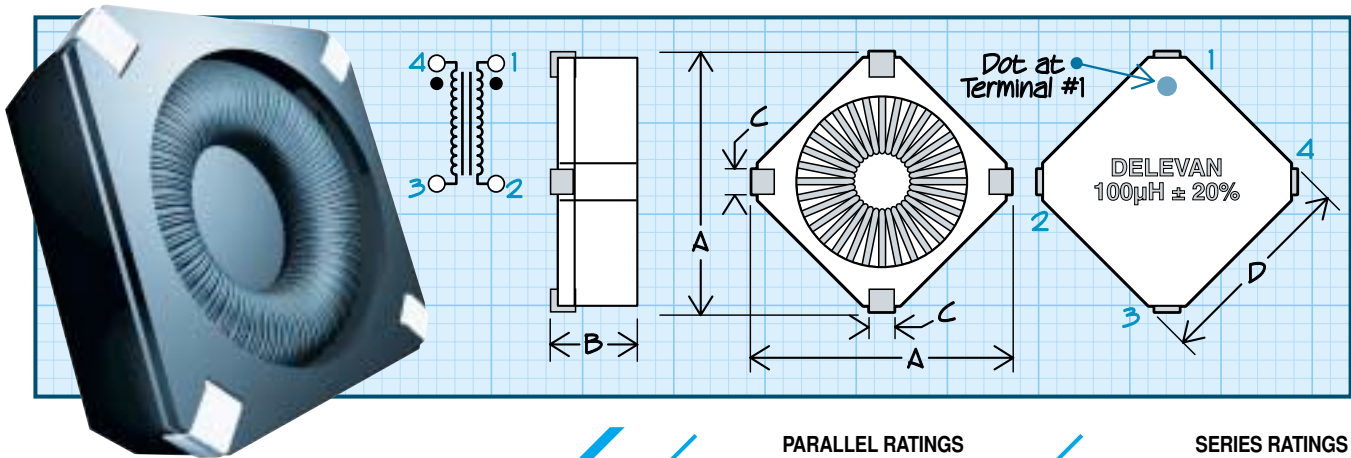
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Surface Mount Toroids



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.

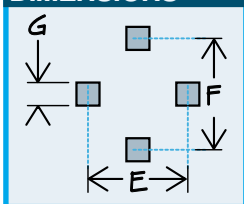
Weight Max. (Grams) 2.0

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