



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!



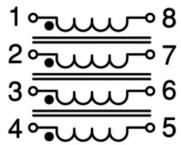
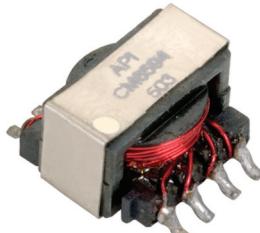
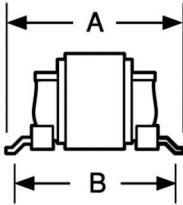
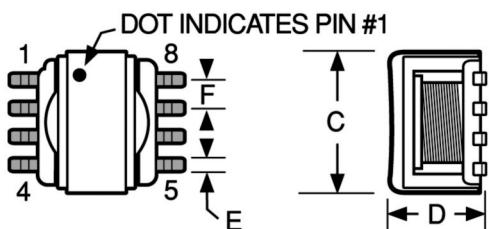
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

SERIES

CM6594R
CM65944-Winding
Surface Mount Transformers

Physical Parameters

	Inches	Millimeters
A	0.435 to 0.465	11.05 to 11.81
B	0.385 to 0.405	9.78 to 10.29
C	0.375 to 0.405	9.53 to 10.29
D	0.205 to 0.235	5.21 to 5.97
E (8 places)	0.028 Typ.	0.71 Typ.
F (6 places)	0.079 Typ.	2.00 Typ.

Mechanical Configuration

ER Core on an 8 Pin Surface Mount Base

Operating Temperature Range -20°C to $+80^{\circ}\text{C}$ Maximum Power Dissipation at 25°C 0.140 W

Dielectric Withstanding Voltage

500V RMS, 60Hz, 5 sec.

Current Rating Current which will cause less than a $+35^{\circ}\text{C}$ temperature rise maximum, from $+25^{\circ}\text{C}$ Ambient, with all windings connected in series

Notes **1)** Max. leakage inductance measured

@ 1 kHz on Pin 1-8 with all other pins shorted. **2)** Board connections may be altered to create different transformer/inductor configurations.

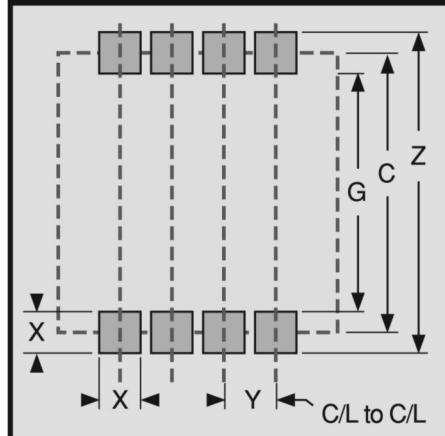
DASH NUMBER*
INDUCTANCE EACH WINDING $\pm 25\%$ (uH)
MAXIMUM LEAKAGE INDUCTANCE (uH)*
DC RESISTANCE EACH WINDING (OHMS)
CURRENT RATING MAXIMUM (AMPS) EACH WINDING

SERIES CM6594 FERRITE CORE				
-253	25	0.90	0.04	1.00
-503	50	1.10	0.07	0.90
-104	100	1.30	0.13	0.75
-154	150	1.50	0.19	0.60
-254	250	1.70	0.32	0.50
-504	500	4.30	0.56	0.45
-754	750	6.80	0.90	0.38
-105	1000	6.95	1.19	0.30
-155	1500	7.00	1.90	0.25

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

For surface finish information, refer to www.delevanfinishes.com

PAD DIMENSIONS



Pad Dimensions

	Inches	Millimeters
C	0.425	10.80
G	0.368	9.35
X	0.063	1.60
Y	0.079	2.00
Z	0.492	12.50

Marking API; CM6594, dash number. Note: An R after CM6594 indicates a RoHS component. A dot indicates the location of pin 1.

Example: CM6594-503

API

CM6594

503

Packaging Tape & reel (24mm): 13" reel, 600 pieces max.

7" reel not available

Bulk option available