

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[API Delevan](#)
[CM6594-104](#)

For any questions, you can email us directly:

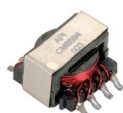
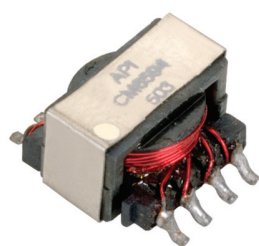
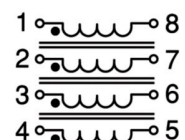
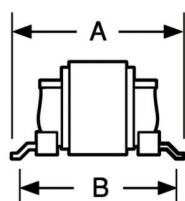
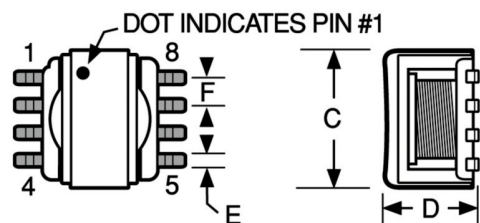
sales@integrated-circuit.com

SERIES

CM6594R
CM6594



**4-Winding
Surface Mount Transformers**



Actual Size

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°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°C temperature rise maximum, from +25°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 ±25% (μH)
MAXIMUM LEAKAGE INDUCTANCE (μH)**
DC RESISTANCE MAXIMUM (OHMS) EACH WINDING
CURRENT RATING MAXIMUM (AMPS) EACH WINDING

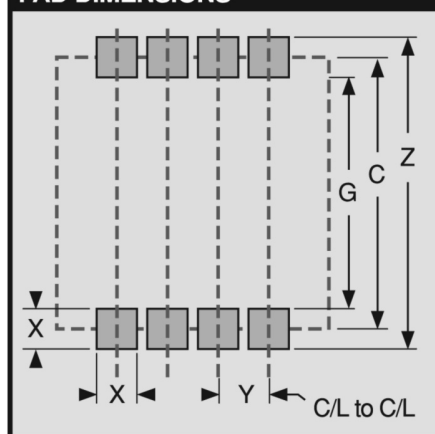
SERIES CM6594 FERRITE CORE

-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