

# SERIES

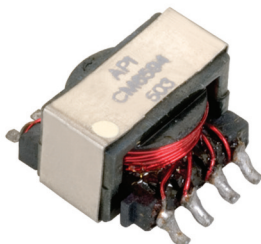
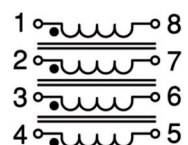
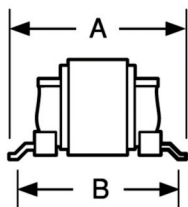
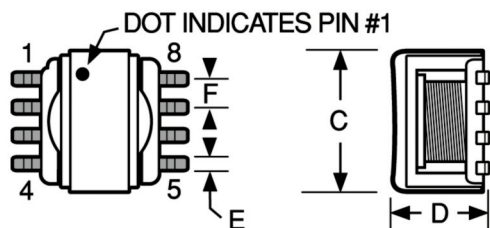
## CM6594R CM6594



Transformers

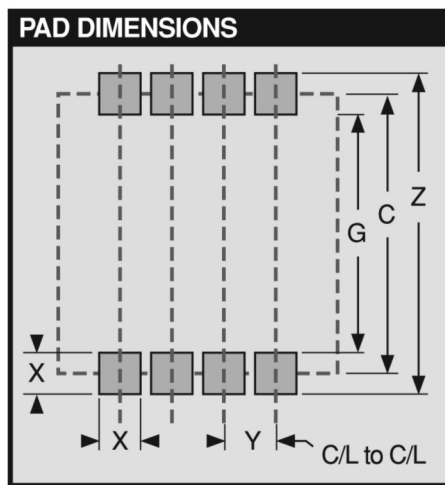
### 4-Winding Surface Mount Transformers

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](http://www.delevanfinishes.com)



#### 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.

#### 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