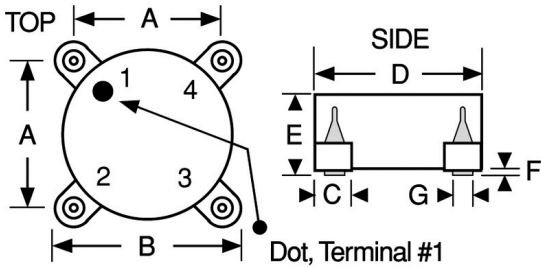


# SERIES

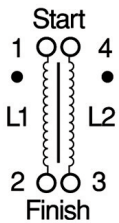
## CM6149R CM6149



### Surface Mount Low Profile CM Choke



#### SCHEMATIC



Actual Size

**Mechanical Configuration** A flat top surface mount case with excellent coplanarity of terminals.

#### Physical Parameters

	Inches	Millimeters
A	0.212 ± 0.010	5.38 ± 0.25
B	0.285 ± 0.010	7.24 ± 0.25
C	0.060 ± 0.010	1.52 ± 0.25
D	0.250 ± 0.010	6.35 ± 0.25
E	0.200 ± 0.010	5.08 ± 0.25
F	0.025 ± 0.010	0.64 ± 0.25
G	0.40 (Ref. only)	1.02 (Ref. only)

#### Electrical Configuration

- 1) Inductance and DCR in table is for either L1 or L2.
- 2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
- 3) Windings balanced within 2%
- 4) Inductance tested @ 10 kHz

**Operating Temperature Range** -55°C to +105°C

**Electrical Characteristics** Measured at +25°C

**Rated RMS Current** Based upon 40°C temperaturerise from 25°C ambient.

**Maximum Power Dissipation at 25°C** 0.200 Watts

**Inductance Tolerance** Units are supplied to the tolerance indicated in the table.

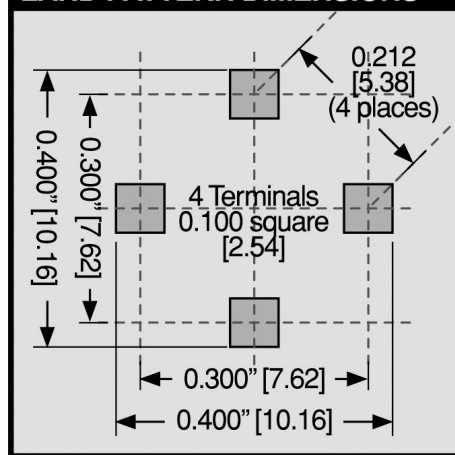
**Dielectric Withstanding Voltage** 500 V RMS, 60Hz

DASH NUMBER*	L1 or L2 INDUCTANCE +35% / -25% (µH)	DC RESISTANCE MAXIMUM (OHMS)	RATED RMS CURRENT (AMPS) MAXIMUM	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM6149 FERRITE CORE				
-253	25	0.010	3.0	0.20
-473	47	0.015	2.5	0.30
-683	68	0.020	2.0	0.40
-104	100	0.030	1.6	0.50
-154	150	0.040	1.3	0.70
-224	220	0.060	1.0	1.10
-334	330	0.090	0.75	1.50
-474	470	0.125	0.60	1.70
-684	680	0.170	0.50	2.00
-105	1000	0.250	0.40	2.80
-125	1200	0.350	0.30	3.50
-155	1500	0.500	0.24	4.30
-225	2200	0.750	0.18	6.00

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

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)

#### LAND PATTERN DIMENSIONS



**Marking** DELEVAN; CM6149, inductance with units. Note: An R after CM6149 indicates a RoHS component. A white dot indicates the location of pin 1.

Example: CM6149-154

DELEVAN  
CM6149  
150 uH

**Packaging** Tape & reel (16mm):

13" reel, 800 pieces max.; 7" reel not available  
Bulk option available

**Weight (Grams)** 0.5 (Ref.)