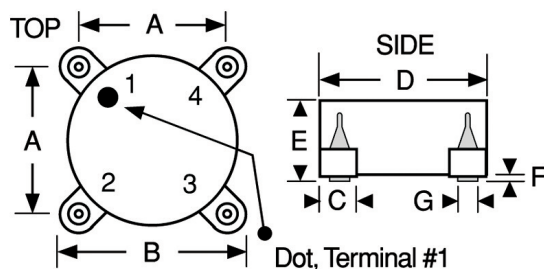
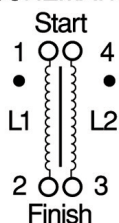


**SERIES****CM6149R  
CM6149****Surface Mount  
Low Profile CM Choke****SCHEMATIC**

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.

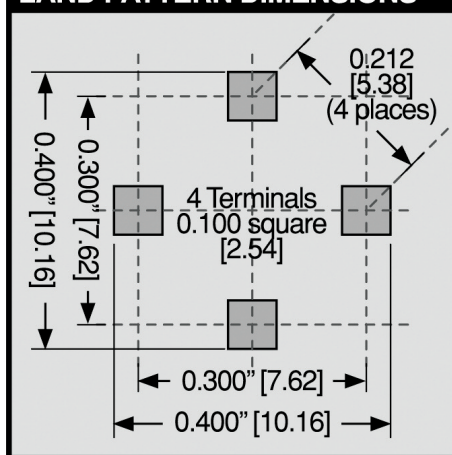
**Dielectric Withstanding Voltage** 500 V RMS, 60Hz

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 #

**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.)