

Series CM6149 Surface Mount

Low Profile

Common Mode Choke/
Isolation Transformer



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 ± 0.2
G	0.40 Ref	1.02 Ref

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 Current Based upon 40°C temperature rise from 25°C ambient.

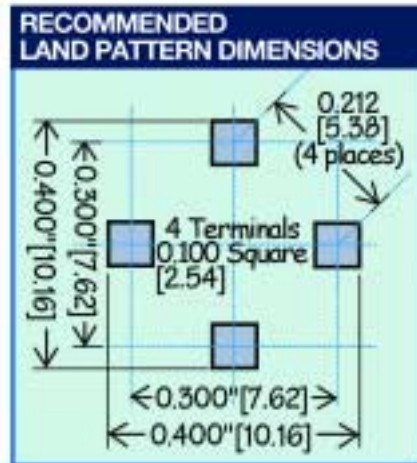
Maximum Power Dissipation at 25°C 0.200 Watts

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

Marking Parts are printed with API, Inductance Value, and dot at terminal #1.

Packaging Tape & reel (24mm):
13" reel, 600 pieces max.; 7" reel not available

PART NUMBER	L1 OR L2 INDUCTANCE +/-25% (µH)	DCR (OHMS) Max.	RATED CURRENT (Amps DC)	LEAKAGE INDUCTANCE (µH) Typical
SERIES CM6149				
CM6149-253	25	.010	3.0	0.20
CM6149-473	47	.015	2.5	0.30
CM6149-683	68	.020	2.0	0.40
CM6149-104	100	.030	1.6	0.50
CM6149-154	150	.040	1.3	0.70
CM6149-224	220	.060	1.0	1.10
CM6149-334	330	.090	.75	1.50
CM6149-474	470	.125	.60	1.70
CM6149-684	680	.170	.50	2.00
CM6149-105	1000	.250	.40	2.80
CM6149-125	1200	.350	.30	3.50
CM6149-155	1500	.500	.24	4.30
CM6149-225	2200	.750	.18	6.00



TRANSFORMERS