

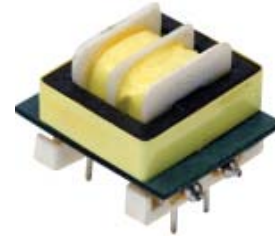
DCM03 Series Common Mode Chokes

Features

- Low cost and high reliability
- High inductance and high current capabilities
- Class B(130°C) materials used
- EE core design

Applications

- Suppression of common-mode interferences
- Switch-mode power applications
- Ideally used as AC common mode noise filter for TV, Printer, etc



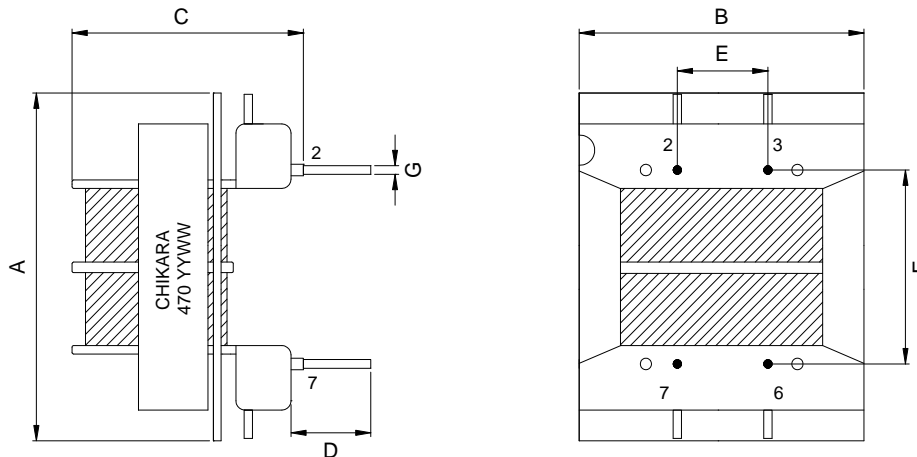
Environmental Data

- Storage temperature range: -40°C to +125°C
- Operating temperature range: -40°C to +125°C (including coil's self-temperature rise)
- Moisture sensitivity level: 1
- RoHS&HF compliance

Packaging

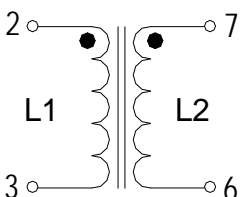
- Tray and carton box packaging

Mechanical Dimension(Unit:mm/inches)



Type	A Max.	B Max.	C Max.	D	E	F	G
DCM03-2417	23.62	22.35	17.02	3.8±0.5	5.08±0.3	13.09±0.5	0.70±0.1
	0.930	0.880	0.670	0.15±0.02	0.20±0.012	0.515±0.02	0.028±0.004

Electrical Schematic



Part Number Description

DCM03 - 2417 470 N
 ① ② ③ ④

- ① Type
- ② Dimensions
- ③ Inductance value
- ④ Tolerance code

DCM03 Series Common Mode Chokes

Electrical Characteristic

Part Number	Inductance (uH)	DCR (Ω)Max.	Leakage Inductance (uH)Max.	Rated current (A)Max.	Hi-Pot (Coil - Coil)
DCM03-2417470N	47	0.016	4.0	3.50	AC2.5KV/3S/2mA
DCM03-2417560N	56	0.018	4.0	3.50	AC2.5KV/3S/2mA
DCM03-2417680N	68	0.019	5.0	3.50	AC2.5KV/3S/2mA
DCM03-2417820N	82	0.023	5.5	2.80	AC2.5KV/3S/2mA
DCM03-2417101N	100	0.025	6.0	2.80	AC2.5KV/3S/2mA
DCM03-2417121N	120	0.028	6.5	2.80	AC2.5KV/3S/2mA
DCM03-2417151N	150	0.030	7.5	2.80	AC2.5KV/3S/2mA
DCM03-2417181N	180	0.038	8.0	2.20	AC2.5KV/3S/2mA
DCM03-2417221N	220	0.044	9.0	2.20	AC2.5KV/3S/2mA
DCM03-2417271N	270	0.051	10.0	2.20	AC2.5KV/3S/2mA
DCM03-2417331N	330	0.058	11.0	1.70	AC2.5KV/3S/2mA
DCM03-2417471N	470	0.078	16.0	1.40	AC2.5KV/3S/2mA
DCM03-2417561N	560	0.091	18.0	1.40	AC2.5KV/3S/2mA
DCM03-2417681N	680	0.115	20.0	1.10	AC2.5KV/3S/2mA
DCM03-2417821N	820	0.131	25.0	1.10	AC2.5KV/3S/2mA
DCM03-2417102N	1000	0.194	35.0	0.88	AC2.5KV/3S/2mA
DCM03-2417122N	1200	0.219	47.0	0.88	AC2.5KV/3S/2mA
DCM03-2417152N	1500	0.278	49.0	0.70	AC2.5KV/3S/2mA
DCM03-2417182N	1800	0.306	59.0	0.70	AC2.5KV/3S/2mA
DCM03-2417222N	2200	0.431	76.0	0.55	AC2.5KV/3S/2mA
DCM03-2417272N	2700	0.469	91.0	0.55	AC2.5KV/3S/2mA
DCM03-2417332N	3300	0.531	101.0	0.55	AC2.5KV/3S/2mA
DCM03-2417392N	3900	0.669	135.0	0.44	AC2.5KV/3S/2mA
DCM03-2417472N	4700	0.760	158.0	0.44	AC2.5KV/3S/2mA
DCM03-2417562N	5600	0.853	196.0	0.44	AC2.5KV/3S/2mA
DCM03-2417682N	6800	1.240	257.0	0.35	AC2.5KV/3S/2mA
DCM03-2417822N	8200	1.400	296.0	0.35	AC2.5KV/3S/2mA
DCM03-2417103N	10000	1.610	362.0	0.35	AC2.5KV/3S/2mA
DCM03-2417123N	12000	1.980	410.0	0.27	AC2.5KV/3S/2mA
DCM03-2417153N	15000	2.240	503.0	0.27	AC2.5KV/3S/2mA
DCM03-2417183N	18000	2.450	602.0	0.27	AC2.5KV/3S/2mA
DCM03-2417223N	22000	3.490	730.0	0.22	AC2.5KV/3S/2mA
DCM03-2417273N	27000	4.600	870.0	0.17	AC2.5KV/3S/2mA
DCM03-2417333N	33000	5.210	1150.0	0.17	AC2.5KV/3S/2mA
DCM03-2417393N	39000	7.190	1300.0	0.13	AC2.5KV/3S/2mA
DCM03-2417473N	47000	7.800	1541.0	0.13	AC2.5KV/3S/2mA
DCM03-2417563N	56000	8.690	1875.0	0.13	AC2.5KV/3S/2mA
DCM03-2417683N	68000	9.690	2254.0	0.13	AC2.5KV/3S/2mA

- Tolerance of Inductance:K= $\pm 10\%$,M= $\pm 20\%$,N= $\pm 30\%$.
- Test frequency and voltage:10KHz,0.1Vrms.
- All test data referenced to 25°C ambient.
- Rated Voltage: 250V AC 50/60Hz.
- Rated current: The AC current at which the temperature rise is Δt of 40°C.