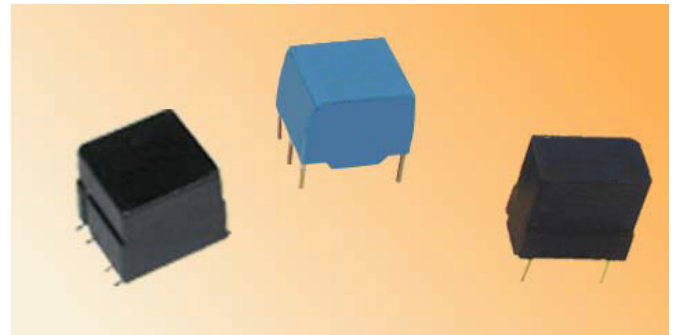




CD & CQ Series CM Interface Chokes for Data and Signal Lines

Features

- High attenuation over a wide frequency range
- Low interwinding and coupling capacitance
- Wide inductance range
- Excellent quality at extremely competitive price due to high volume production
- Manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified facility
- Other inductance values available upon request
- Fully RoHS compliant and meets lead free reflow level J-STD-020C



Electrical Specifications @ 25°C

Nominal Voltage: 42Vac (50/60Hz), 80Vdc

Operating Temperature: -25° to +85°C

Storage Temperature: -40° to +125°C

Climatic category: according to IEC68-1 25/85/56

Test voltage between windings: 500 V rms



Test frequency

Nominal Inductance: measured @ 100kHz/20 mVrms

Leakage Inductance: measured @ 100kHz, 100mVrms

Test Equipment: HP4192A

| Part Number | L_N (μ H) $\pm 30\%$ | I_N (mA) | L_L (μ H) | R_{CU} (mOhms) | V_P (Vrms) | Windings per Core | Package | Schematic |
|--|--------------------------------|---------------|---------------------|---------------------|-----------------|----------------------|-----------|-----------|
| CD Series - Double Chokes for EMI noise suppression | | | | | | | | |
| CD_-1.0-A | 1000 | 600 | 0.25 | 190 | 500 | 2 | F / V / J | A |
| CD_-1.7-A | 1700 | 550 | 0.42 | 200 | 500 | 2 | F / V / J | A |
| CD_-2.2-A | 2200 | 350 | 0.45 | 300 | 500 | 2 | F / V / J | A |
| CD_-3.3-A | 3300 | 350 | 0.50 | 370 | 500 | 2 | F / V / J | A |
| CD_-4.7-A | 4700 | 350 | 0.40 | 600 | 500 | 2 | F / V / J | A |
| CD_-6.8-A | 6800 | 350 | 0.55 | 510 | 500 | 2 | F / V / J | A |
| CD_-10-A | 10000 | 350 | 0.65 | 620 | 500 | 2 | F / V / J | A |
| CD_-12-A | 12000 | 300 | 0.70 | 680 | 500 | 2 | F / V / J | A |
| CD_-15-A | 15000 | 300 | 0.55 | 720 | 500 | 2 | F / V / J | A |
| CD_-22-A | 22000 | 300 | 0.85 | 920 | 500 | 2 | F / V / J | A |
| CD_-28-A | 28000 | 300 | 0.95 | 1020 | 500 | 2 | F / V / J | A |
| CD_-33-A | 33000 | 300 | 1.90 | 1120 | 500 | 2 | F / V / J | A |
| CD_-50-A | 50000 | 300 | 1.35 | 1800 | 500 | 2 | F / V / J | A |
| CD_-70-A | 70000 | 300 | 2.50 | 2100 | 500 | 2 | F / V / J | A |
| CQ Series - Quad Chokes for EMI noise suppression | | | | | | | | |
| CQ_-1.0-B | 1000 | 400 | 0.30 | 200 | 500 | 4 | F / V / J | B |
| CQ_-1.7-B | 1700 | 350 | 0.40 | 260 | 500 | 4 | F / V / J | B |
| CQ_-2.2-B | 2200 | 300 | 0.45 | 310 | 500 | 4 | F / V / J | B |
| CQ_-3.3-B | 3300 | 300 | 0.50 | 380 | 500 | 4 | F / V / J | B |
| CQ_-5.0-B | 5000 | 300 | 0.30 | 430 | 500 | 4 | F / V / J | B |
| CQ_-6.8-B | 6800 | 300 | 0.55 | 850 | 500 | 4 | F / V / J | B |
| CQ_-10-B | 10000 | 300 | 0.65 | 1060 | 500 | 4 | F / V / J | B |
| CQ_-12-B | 12000 | 250 | 0.65 | 1120 | 500 | 4 | F / V / J | B |
| CQ_-58-B | 58000 | 200 | 1.40 | 2400 | 500 | 4 | F / V / J | B |
| CQ_-90-B | 90000 | 150 | 2.00 | 4150 | 500 | 4 | F / V / J | B |

When ordering Series CD or CQ, use suffix "F", "V" or "J" to designate desired package style.

CDF/CQF = Flat package, through-hole

CDV/CQV = Vertical package, through hole

CDJ/CQJ = Flat package, surface mount

See following page for dimensions, schematics and typical impedance curves

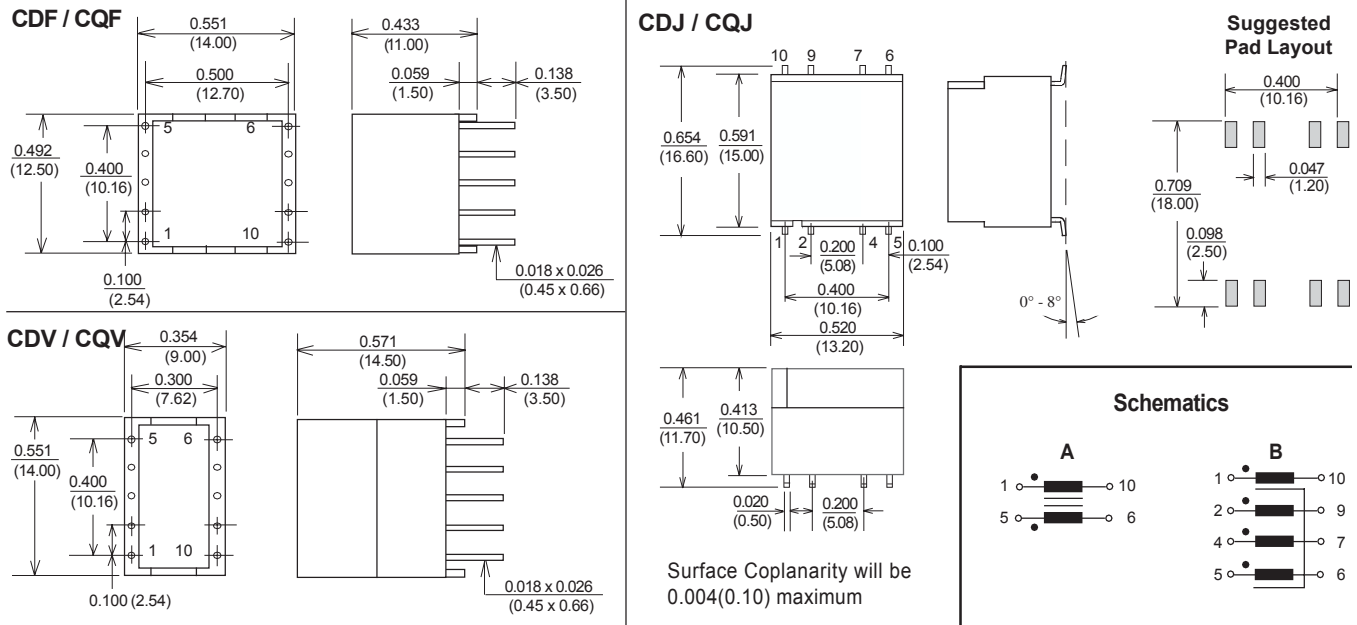
Magnetic Components for ISDN / xDSL / LAN Data Communications

Packaging Style and Impedance Performance

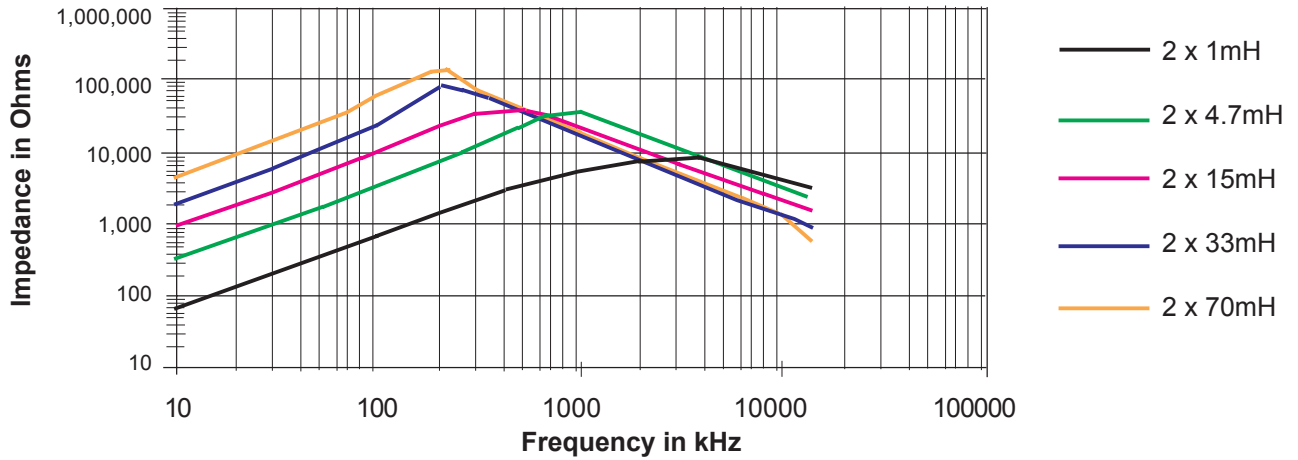
Dimensions: Inches (Millimeters)

Tolerance: ± 0.010 (0.25) unless specified otherwise

Package Style



Impedance Performance CDx & CDx Series Double Chokes



CQx & CDx Series Quad Chokes

