



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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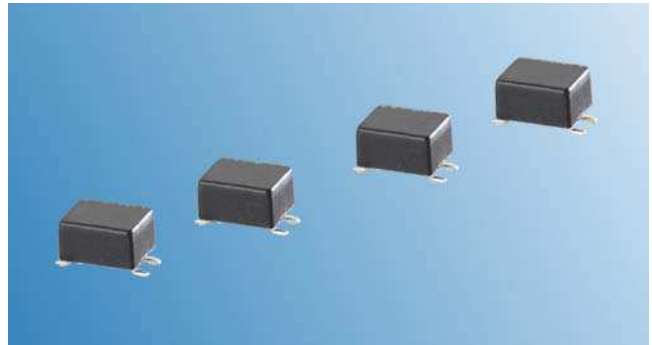


AMGIS

CLJ-2 Series • Miniature SMD Common Mode Double Chokes

Features

- Miniature, low cost SMD for pick and place compatibility while providing consistent and reliable coplanarity
- Other inductance values, higher current ratings and special types for operation at 150°C ambient are available upon request
- High attenuation over a wide frequency range - CAN bus types to 500MHz
- Available in Bifilar and Sector (Suffix S) winding
- Materials: UL94-V0
- Manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified AMGIS facility
- 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 Vrms



Test frequency

Nominal Inductance: measured @ 100kHz/20 mVrms

Leakage Inductance: measured @ 100kHz, 100mVrms

Test Equipment: HP4192A

Weight: ~ 0.3 gram

Packaging: Tape & Reel

| Part Number | OCL (µH) +50/-30% | I _N (mA) | L _L (µH) | R _{CU} (mOhms) | V _T (Vrms) | Number of Data Lines |
|-------------|----------------------|------------------------|------------------------|----------------------------|--------------------------|-------------------------|
|-------------|----------------------|------------------------|------------------------|----------------------------|--------------------------|-------------------------|

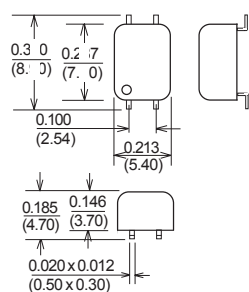
Sector Winding for CAN bus and similar applications

| | | | | | | |
|------------|----|------|------|-----|-----|---|
| CLJ-2-060S | 6 | 2500 | 0.40 | 70 | 500 | 2 |
| CLJ-2-250S | 25 | 800 | 0.95 | 110 | 500 | 2 |
| CLJ-2-510S | 51 | 800 | 2.00 | 160 | 500 | 2 |

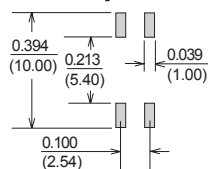
Bifilar Winding for Data and Signal Lines

| | | | | | | |
|-----------|-------|------|------|------|-----|---|
| CLJ-2-050 | 5 | 1200 | 0.05 | 56 | 500 | 2 |
| CLJ-2-110 | 11 | 500 | 0.05 | 80 | 500 | 2 |
| CLJ-2-250 | 25 | 500 | 0.08 | 110 | 500 | 2 |
| CLJ-2-510 | 51 | 500 | 0.10 | 148 | 500 | 2 |
| CLJ-2-101 | 100 | 500 | 0.11 | 315 | 500 | 2 |
| CLJ-2-471 | 470 | 500 | 0.10 | 290 | 500 | 2 |
| CLJ-2-102 | 1000 | 500 | 0.16 | 275 | 500 | 2 |
| CLJ-2-222 | 2200 | 400 | 0.12 | 345 | 500 | 2 |
| CLJ-2-472 | 4700 | 200 | 0.19 | 940 | 500 | 2 |
| CLJ-2-103 | 10000 | 200 | 0.36 | 1400 | 500 | 2 |
| CLJ-2-203 | 20000 | 140 | 1.00 | 1800 | 500 | 2 |
| CLJ-2-473 | 47000 | 100 | 1.00 | 3900 | 500 | 2 |

Dimensions



Suggested Pad Layout



Bifilar Winding



Sector (CLJ-2-XXS) Winding



Schematic



Surface Coplanarity will be 0.004(0.10) maximum

Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

See following page for typical impedance curves

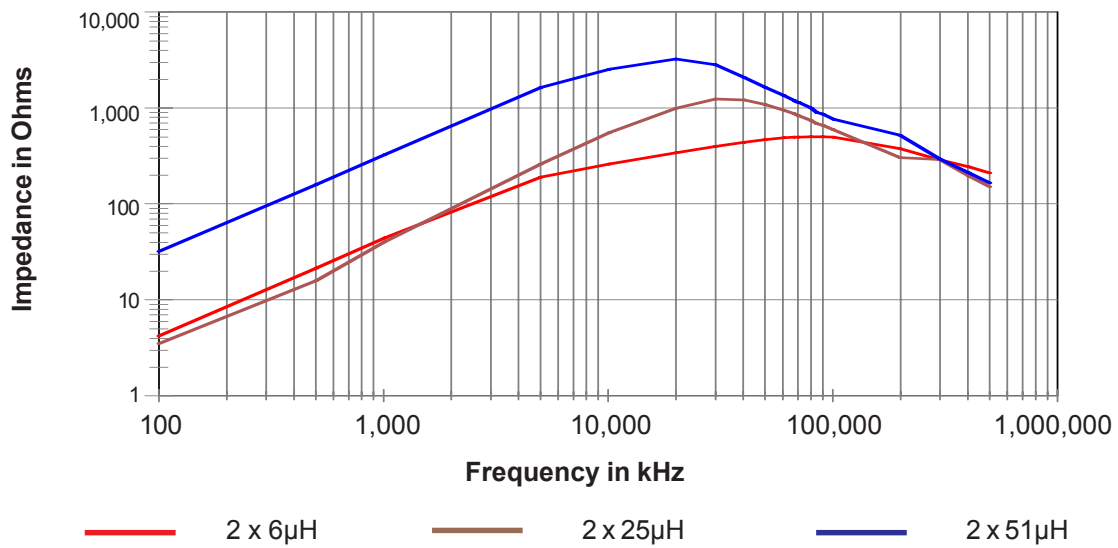
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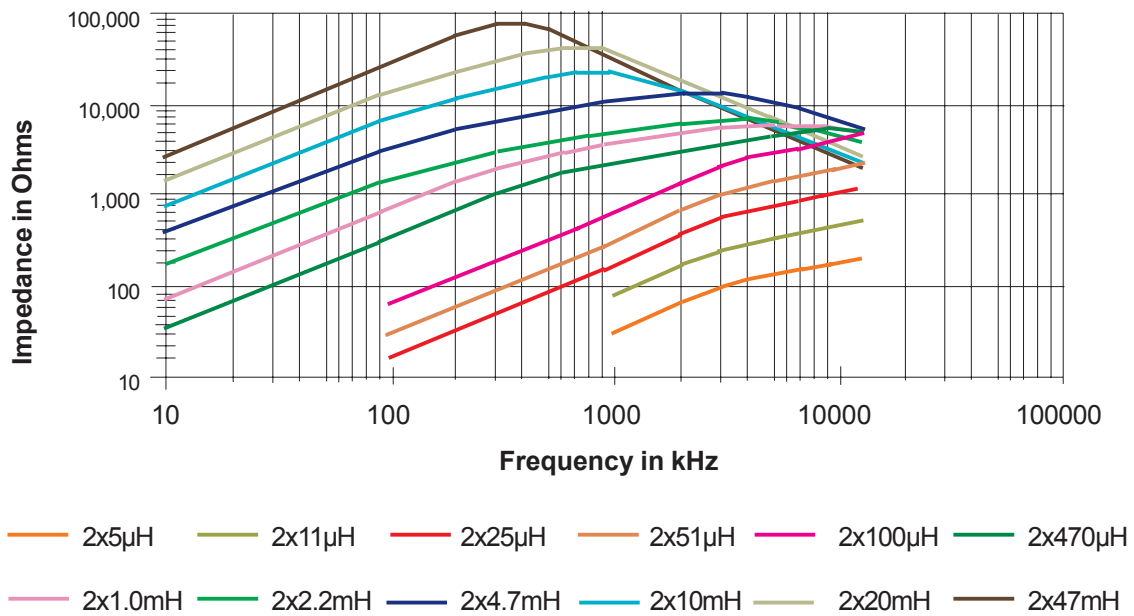
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CLJ-2 Series • Impedance Performance

Impedance Performance CLJ-2 Series Double Chokes with Sector Winding



Impedance Performance CLJ-2 Series Double Chokes with Bifilar Winding



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