

CLJ / CMJ Series • Miniature SMD Miniature Common Mode Chokes

Features

- Miniature, low cost SMD for pick and place compatability while providing consistent and reliable coplanarity
- Other inductance values 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 winding (Suffix S)
- Materials: UL94-VO
- Manufactured in an ISO 9001:2008, ISO/TS 16949:2009 and ISO 14001:2004 certified Talema facility
- Fully RoHS & REACH Compliant and meets lead free reflow level J-STD-020C fully RoHS compliant



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

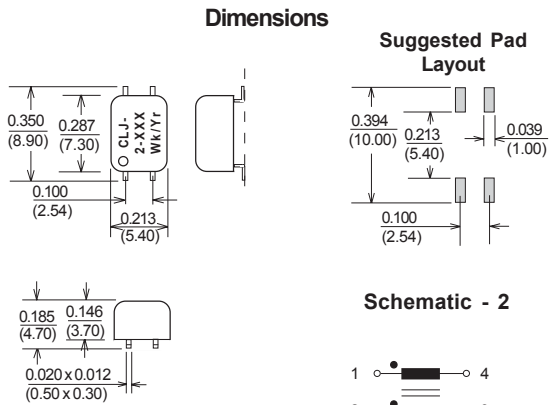
Test Voltage between Windings: 500Vrms

Test Frequency: Inductance measured @ 100KHz/20mV

CLJ / CMJ Series - Micro Miniature Common Mode Chokes for Data & Signal Line EMI Suppression						
Part Number	OCL (μH) +50/-30%	I _N (mA)	L _L (μH)	R _{CU} (mOhms)	Number of Data Lines	Schematic
Double Chokes						
CLJ/CMJ-2-050	5	1200	0.05	60	2	2
CLJ/CMJ-2-110	11	500	0.05	80	2	2
CLJ/CMJ-2-240	24	500	0.10	100	2	2
CLJ/CMJ-2-250	25	500	0.10	110	2	2
CLJ/CMJ-2-470	47	500	0.20	130	2	2
CLJ/CMJ-2-510	51	500	0.10	148	2	2
CLJ/CMJ-2-101	100	500	0.25	315	2	2
CLJ/CMJ-2-471	470	500	0.20	290	2	2
CLJ/CMJ-2-102	1000	500	0.25	275	2	2
CLJ/CMJ-2-222	2200	400	0.15	345	2	2
CLJ/CMJ-2-472	4700	200	0.30	940	2	2
CLJ/CMJ-2-103	10000	200	0.40	1400	2	2
CLJ/CMJ-2-203	20000	140	1.00	1800	2	2
CLJCMJ-2-473	47000	100	1.00	3900	2	2
Quad Chokes						
CLJ/CMJ-4-240	24	500	0.20	100	4	4
CLJ/CMJ-4-470	47	500	0.25	200	4	4
CLJ/CMJ-4-101	100	500	0.30	380	4	4
CLJ/CMJ-4-471	470	500	0.25	280	4	4
CLJ/CMJ-4-102	1000	500	0.35	320	4	4
CLJ/CMJ-4-222	2200	400	0.50	570	4	4
CLJ/CMJ-4-472	4700	300	0.70	940	4	4
CLJ/CMJ-4-103	10000	110	0.50	1700	4	4
CLJ/CMJ-4-123	12000	130	1.00	2100	4	4

See following page for Dimensional details & Schematic

CLJ / CMJ -2



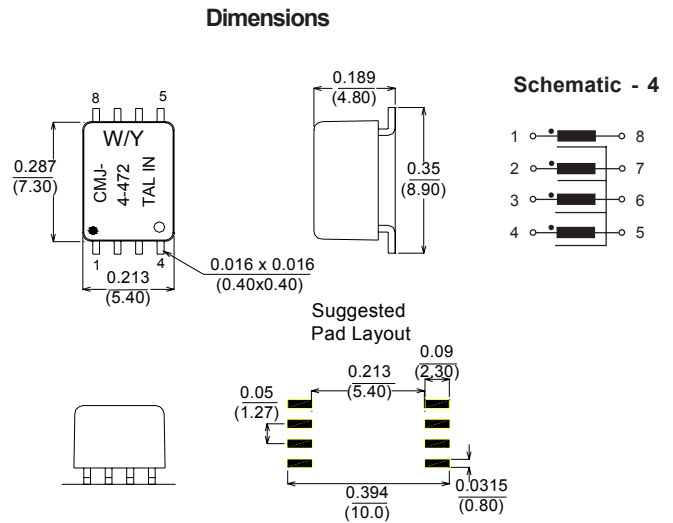
Dimensions: Inches (Millimeters)

Tolerance: ± 0.010 (0.25) unless specified otherwise

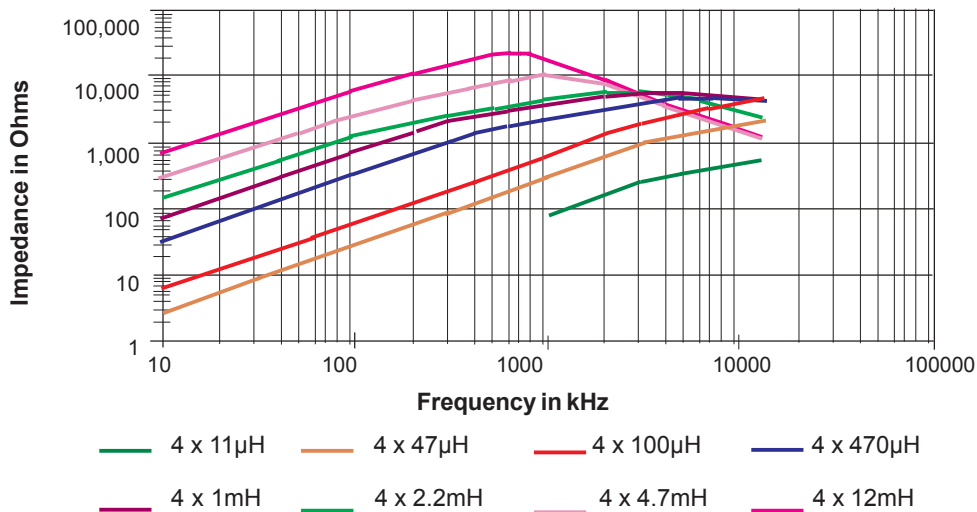
Surface Coplanarity will be 0.004 (0.10) maximum

Packing Method: Tape and Reel; Qty/Reel: 1000 Pcs

CLJ / CMJ -4



Impedance Performance CMJ-4 Series Quad Chokes



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