



AlfaMag Electronics

## CMJ Series • SMD Miniature Common Mode Chokes

### Features

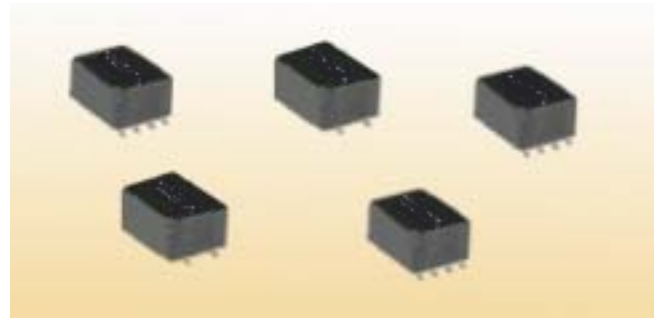
- Miniature, low cost SMD for pick and place compatibility while providing consistent and reliable coplanarity
- High attenuation over a wide frequency range
- Manufactured in ISO-9001 approved facility
- Other inductance values available

### Electrical Specifications

Ratings at 25°C ambient

Operating Temperature: 0 to 70°C

Storage Temperature: -25° to +105°C



Test voltage between windings: 500Vrms

Test Frequency: Inductance measured @ 100kHz/20mVrms

## CMJ Series • Micro-Miniature Common Mode Chokes for Data and Signal Line EMI Suppression

Part Number	OCL (μH) +50/-30%	I <sub>N</sub> (mA)	L <sub>L</sub> (μH)	DCR (mOhms)	Number of Data Lines	Schematic
<b>Double Chokes</b>						
CMJ-2-110	11	500	0.05	70	2	2
CMJ-2-240	24	500	0.10	100	2	2
CMJ-2-470	47	500	0.20	130	2	2
CMJ-2-101	100	500	0.25	260	2	2
CMJ-2-471	470	500	0.20	190	2	2
CMJ-2-102	1000	500	0.25	250	2	2
CMJ-2-222	2200	400	0.35	450	2	2
CMJ-2-472	4700	200	0.50	840	2	2
CMJ-2-103	10000	200	0.40	800	2	2
CMJ-2-203	20000	140	0.40	1800	2	2
<b>Tri Chokes</b>						
CMJ-3-680	68	400	0.25	110	3	3
<b>Quad Chokes</b>						
CMJ-4-470	47	500	0.25	180	4	4
CMJ-4-101	100	500	0.30	330	4	4
CMJ-4-471	470	500	0.25	200	4	4
CMJ-4-102	1000	500	0.35	310	4	4
CMJ-4-222	2200	400	0.50	570	4	4
CMJ-4-472	4700	200	0.70	860	4	4
CMJ-4-103	10000	110	0.50	1700	4	4
CMJ-4-123	12000	100	0.50	1800	4	4

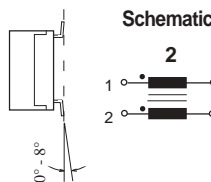
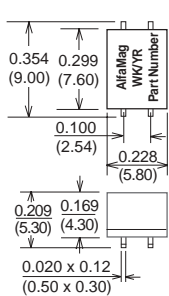
### Dimensions

Dimensions: Inches (Millimeters)

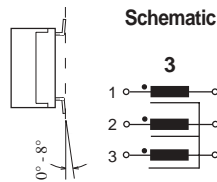
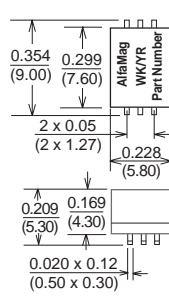
Tolerance: ±0.010 (0.25)

Surface Coplanarity will be 0.004(0.10) maximum

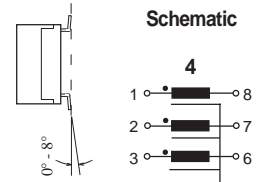
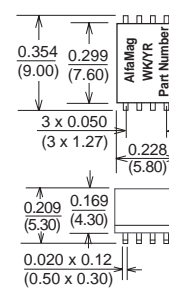
#### CMJ-2



#### CMJ-3



#### CMJ-4



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