

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 Talema 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 _N (mA) | L _L (μH) | DCR (mOhms) | Number of Data Lines | Schematic |
|----------------------|----------------------|------------------------|------------------------|----------------|-------------------------|-----------|
| Double Chokes | | | | | | |
| 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 |
| Tri Chokes | | | | | | |
| CMJ-3-680 | 68 | 400 | 0.25 | 110 | 3 | 3 |
| Quad Chokes | | | | | | |
| 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 |

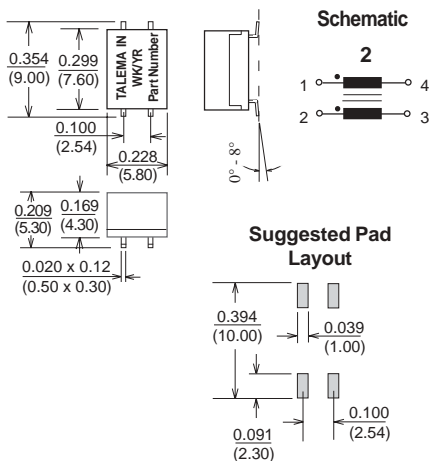
Dimensions

Dimensions: Inches (Millimeters)

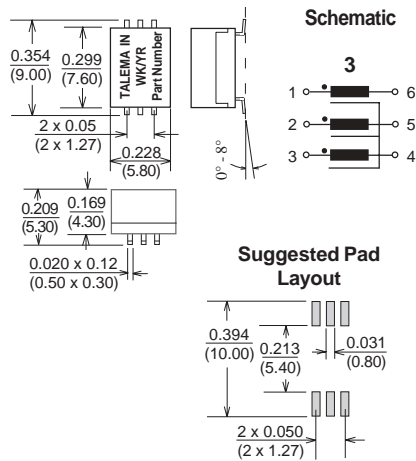
Tolerance: ±0.010 (0.25)

Surface Coplanarity will be 0.004(0.10) maximum

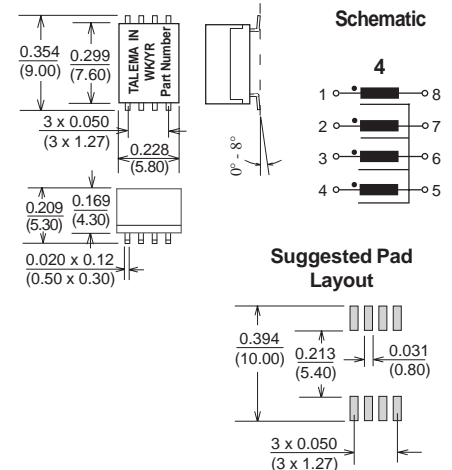
CMJ-2



CMJ-3



CMJ-4



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