

Features

- EMI noise suppression for data and signal line filtering
- Miniature, low cost SMD common mode chokes are designed for pick and place compatibility and provide consistent and reliable coplanarity
- High attenuation over a wide frequency range
- Manufactured in ISO-9001 approved Talema facility
- Other inductance values available
- Parts shown below meet all popular footprints

Electrical Specifications

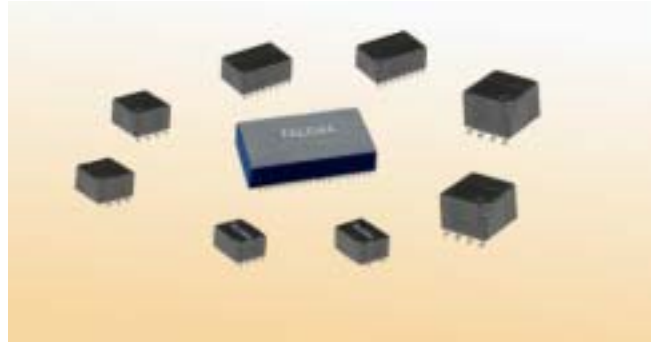
Ratings @ 25°C ambient

Operating temperature: 0 to 70°C

Storage temperature: -25° to +105°C

Test voltage between windings: 500 Vrms

Test frequency: Inductance measured @ 100kHz/20 mVrms


Common Mode Interface SMD Chokes for Data and Signal Line EMI suppression

| Part Number | Number of Data Lines | OCL (μH) ±30% | I _N (mA) | DCR (Ohms) | Number of Coils | Windings per Coil | Schematic |
|-------------|----------------------|------------------|------------------------|---------------|-----------------|-------------------|-----------|
| CMJ-2-470 | 2 | 47 | 500 | 0.065 | 1 | 2 | A |
| CFJ-3-470B | 2 | 47 | 850 | 0.060 | 1 | 2 | B |
| CMJ-3-680B | 2 | 68 | 500 | 0.080 | 1 | 2 | B |
| CMJ-2-203 | 2 | 20000 | 140 | 2.000 | 1 | 2 | A |
| CFJ-3-240A | 3 | 24 | 1000 | 0.045 | 1 | 3 | A |
| CFJ-3-470A | 3 | 47 | 850 | 0.060 | 1 | 3 | A |
| CMJ-3-680 | 3 | 68 | 450 | 0.110 | 1 | 3 | A |
| CMJ-4-240 | 4 | 24 | 500 | 0.065 | 1 | 4 | A |
| CFJ-4-240B | 4 | 24 | 560 | 0.080 | 2 | 2 | B |
| CCJ-4-260B | 4 | 26 | 600 | 0.065 | 1 | 4 | B |
| CFJ-4-330A | 4 | 33 | 550 | 0.065 | 1 | 4 | A |
| CUJ-340-16E | 4 | 34 | 700 | 0.056 | 2 | 2 | E |
| CMJ-4-470 | 4 | 47 | 500 | 0.090 | 1 | 4 | A |
| CFJ-4-470A | 4 | 47 | 540 | 0.080 | 1 | 4 | A |
| CMJ-4-680 | 4 | 68 | 350 | 0.140 | 1 | 4 | A |
| CCJ-4-101C | 4 | 100 | 450 | 0.220 | 2 | 2 | C |
| CFJ-4-141A | 4 | 140 | 330 | 0.260 | 1 | 4 | A |
| CMJ-4-471 | 4 | 470 | 500 | 0.080 | 1 | 4 | A |
| CFJ-4-471A | 4 | 470 | 450 | 0.065 | 1 | 4 | A |
| CMJ-4-472 | 4 | 4700 | 200 | 0.430 | 1 | 4 | A |
| CFJ-4-472A | 4 | 4700 | 220 | 0.430 | 1 | 4 | A |
| CMJ-4-123 | 4 | 12000 | 130 | 3.000 | 1 | 4 | A |
| CUJ-240-16D | 6 | 24 | 600 | 0.075 | 3 | 2 | D |
| CUJ-680-16D | 6 | 68 | 450 | 0.135 | 3 | 2 | D |
| CUJ-340-16B | 8 | 34 | 400 | 0.145 | 4 | 2 | B |
| CUJ-680-16A | 8 | 68 | 250 | 0.220 | 2 | 4 | A |
| COJ-16-470 | 16 | 47 | | 0.200 | 8 | 2 | -- |
| COJ-16-502 | 16 | 5000 | | 0.400 | 8 | 2 | -- |

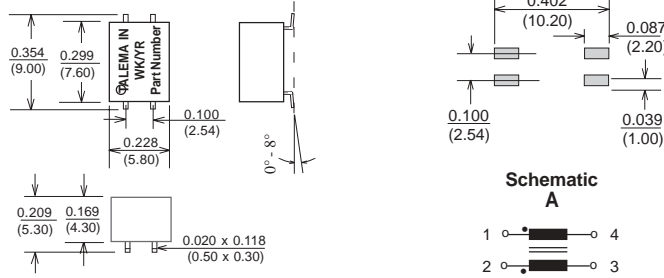
Other inductances and packaging variations available upon request.

Packaging & Dimensions • Miniature SMD Common Mode Chokes

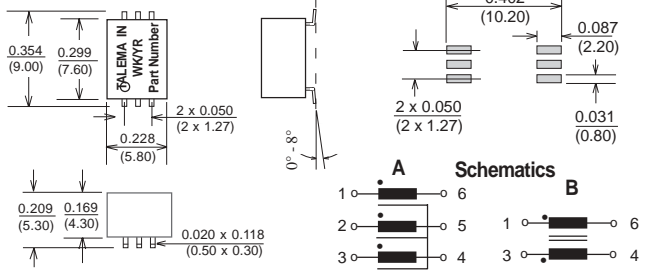
Dimensions: Inches (Millimeters)
Surface Coplanarity will be 0.004 (0.10) maximum

Tolerance: ± 0.010 (0.25) unless specified otherwise

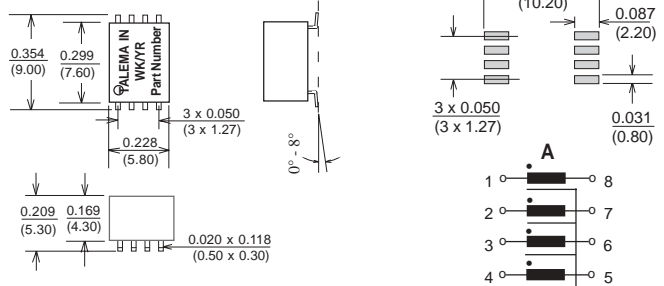
CMJ-2



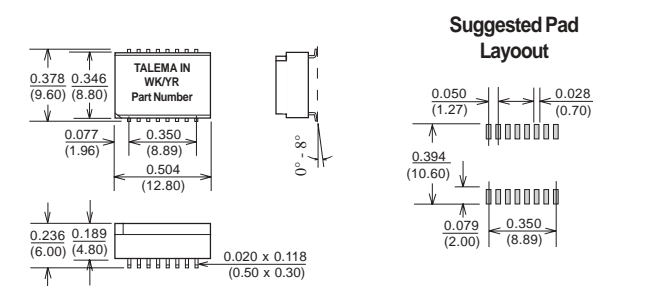
CMJ-3



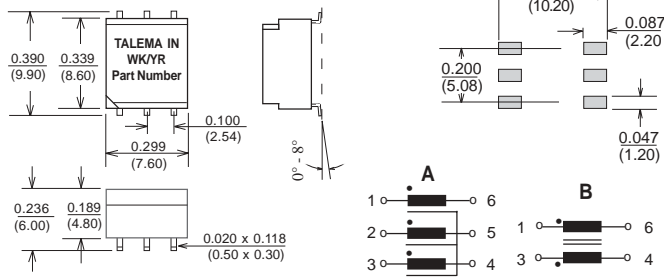
CMJ-4



CUJ

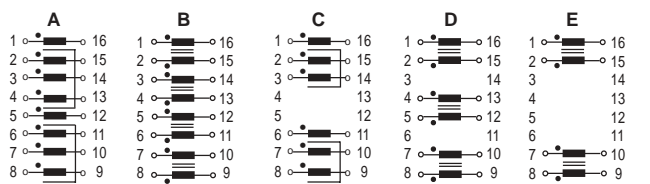


CJF-3

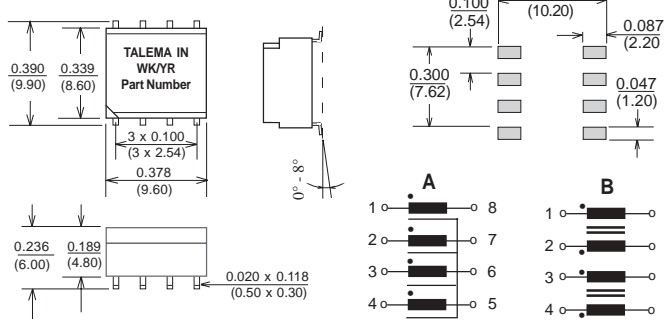


Surface coplanarity will be <math>< 0.004</math> (0.10)

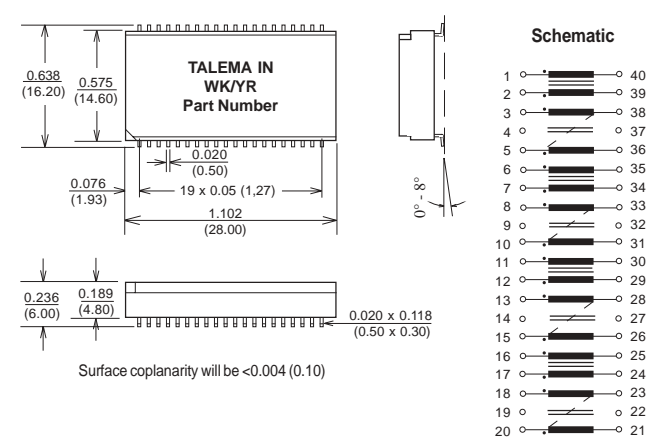
Schematics



CFJ-4

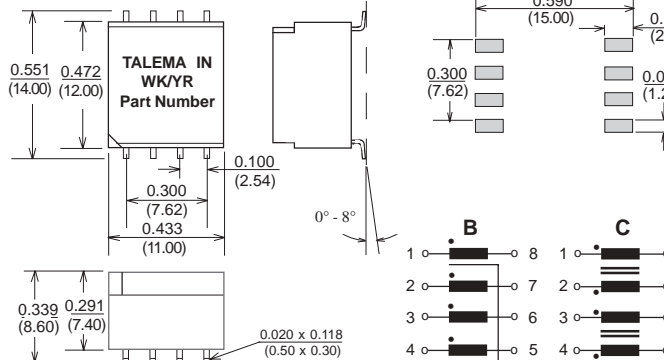


COJModule



Surface coplanarity will be <math>< 0.004</math> (0.10)

CCJ-4



Suggested Pad layout

