



## CCJ Series • Compact SMD Common Mode Chokes

### Features

- Low cost, compact SMD for pick and place compatability while providing consistent and reliable coplanarity
- High attenuation over a wide frequency range
- Manufactured in ISO-9001 approved Talema facility
- Other inductance values available upon request

### Electrical Specifications

Ratings @ 25°C ambient

Operating Temperature: 0 to 70°C

Storage Temperature: -25° to +105°C

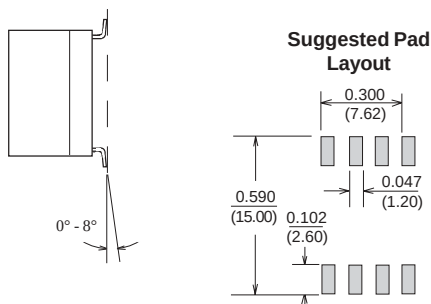
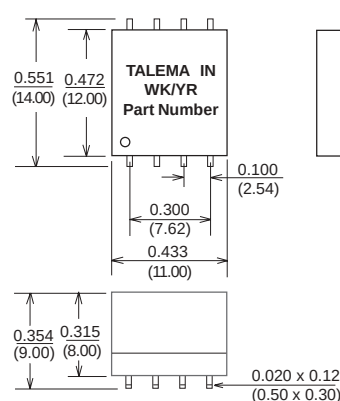


Test voltage between windings: 500 Vrms

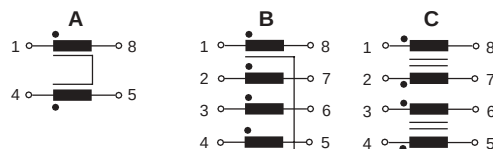
Test frequency: Inductance measured @ 100kHz/20 mVrms

## CCJ Series • Compact Double and Quad Chokes for Data and Signal Line EMI Suppression

| Part Number                                       | Number of Data Lines | OCL (μH ±30%) | I <sub>N</sub> (mA) | DCR (mOhms Typ.) | Number of Coils | Windings per Core | Schematic |
|---------------------------------------------------|----------------------|---------------|---------------------|------------------|-----------------|-------------------|-----------|
| <b>Double Chokes</b>                              |                      |               |                     |                  |                 |                   |           |
| CCJ-2-260                                         | 2                    | 26            | 900                 | 55               | 1               | 2                 | A         |
| CCJ-2-102                                         | 2                    | 1000          | 550                 | 140              | 1               | 2                 | A         |
| CCJ-2-152                                         | 2                    | 1500          | 550                 | 100              | 1               | 2                 | A         |
| CCJ-2-222                                         | 2                    | 2200          | 550                 | 115              | 1               | 2                 | A         |
| CCJ-2-332                                         | 2                    | 3300          | 550                 | 140              | 1               | 2                 | A         |
| CCJ-2-502                                         | 2                    | 5000          | 500                 | 180              | 1               | 2                 | A         |
| CCJ-2-682                                         | 2                    | 6800          | 450                 | 200              | 1               | 2                 | A         |
| CCJ-2-103                                         | 2                    | 10000         | 400                 | 250              | 1               | 2                 | A         |
| CCJ-2-123                                         | 2                    | 12000         | 400                 | 270              | 1               | 2                 | A         |
| CCJ-2-283                                         | 2                    | 28000         | 270                 | 520              | 1               | 2                 | A         |
| CCJ-2-503                                         | 2                    | 50000         | 200                 | 970              | 1               | 2                 | A         |
| CCJ-2-703                                         | 2                    | 70000         | 170                 | 1490             | 1               | 2                 | A         |
| <b>Quad Chokes • 4 windings per core</b>          |                      |               |                     |                  |                 |                   |           |
| CCJ-4-260                                         | 4                    | 26            | 600                 | 65               | 1               | 4                 | B         |
| CCJ-4-470                                         | 4                    | 47            | 500                 | 90               | 1               | 4                 | B         |
| CCJ-4-101                                         | 4                    | 100           | 400                 | 130              | 1               | 4                 | B         |
| CCJ-4-221                                         | 4                    | 220           | 330                 | 190              | 1               | 4                 | B         |
| CCJ-4-471                                         | 4                    | 470           | 400                 | 120              | 1               | 4                 | B         |
| CCJ-4-681                                         | 4                    | 680           | 400                 | 140              | 1               | 4                 | B         |
| CCJ-4-102                                         | 4                    | 1000          | 350                 | 170              | 1               | 4                 | B         |
| CCJ-4-152                                         | 4                    | 1500          | 350                 | 120              | 1               | 4                 | B         |
| CCJ-4-222                                         | 4                    | 2200          | 350                 | 140              | 1               | 4                 | B         |
| CCJ-4-332                                         | 4                    | 3300          | 350                 | 180              | 1               | 4                 | B         |
| CCJ-4-502                                         | 4                    | 5000          | 330                 | 220              | 1               | 4                 | B         |
| CCJ-4-103                                         | 4                    | 10000         | 230                 | 430              | 1               | 4                 | B         |
| CCJ-4-123                                         | 4                    | 12000         | 170                 | 770              | 1               | 4                 | B         |
| CCJ-4-583                                         | 4                    | 58000         | 90                  | 2350             | 1               | 4                 | B         |
| <b>Quad Chokes • 2 cores with double windings</b> |                      |               |                     |                  |                 |                   |           |
| CCJ-4-250C                                        | 4                    | 25            | 650                 | 110              | 2               | 2                 | C         |
| CCJ-4-101C                                        | 4                    | 100           | 450                 | 220              | 2               | 2                 | C         |



### Schematics



Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25)

Surface Coplanarity will be 0.004(0.10) maximum

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