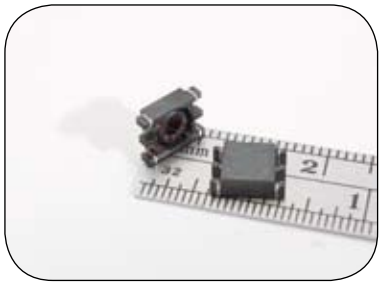
# CS01 Series
# Common Mode Choke

ice components



## Features

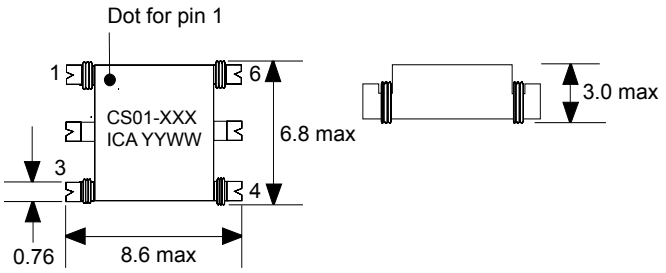
- Low profile package (< 3mm)
- Attenuates common mode over a broad frequency range
- Flat top for pick and place applications
- Current range up to 3.25A

## Applications

- EMI filters
- High density power supplies
- DC/DC converters

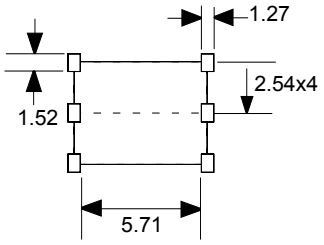
**Packaging** Reel diameter: 13", Reel width: 16mm, Pieces/reel: 1500

## Mechanical




Top View Side View

## Recommended PCB layout




Top View

## Schematic




units: mm

## Electrical Specifications

| Part Number | OCL[1] (µH, min) | Irms[6] (A, max) | DCR (mΩ,max) | Lkg. Ind. (µH, max) | Hi-Pot (Vdc) | Max. Impedance (typ.) |
|---|---|---|---|---|---|---|
| CS01-6R0 | 6.0 | 3.25 | 10 | 0.1 | 300 | 125 @ 10MHz |
| CS01-100 | 10 | 2.88 | 11 | 0.3 | 300 | 220 @ 10MHz |
| CS01-330 | 33 | 2.50 | 18 | 0.6 | 300 | 670 @ 10MHz |
| CS01-430 | 43 | 1.78 | 29 | 0.7 | 300 | 890 @ 10MHz |
| CS01-540 | 54 | 1.40 | 41 | 1.0 | 300 | 1086 @ 10MHz |
| CS01-680 | 68 | 1.27 | 58 | 1.0 | 300 | 1447 @ 10MHz |
| CS01-980 | 98 | 0.98 | 75 | 1.4 | 300 | 2108 @ 10MHz |
| CS01-111 | 110 | 0.37 | 112 | 1.7 | 300 | 2378 @ 10MHz |
| CS01-131 | 130 | 0.32 | 142 | 1.9 | 300 | 2852 @ 10MHz |
| CS01-171 | 170 | 0.26 | 180 | 2.6 | 300 | 3707 @ 10MHz |
| CS01-201 | 200 | 0.24 | 240 | 2.6 | 300 | 4178 @ 10MHz |

1. Tested at 100kHz, 0.1Vrms.
2. Electrical specifications at 25° C.
3. Operating range: -40°C to +130°C.
4. Meets UL 94V-0.
5. Hi-pot testing: Winding to winding for 1 minute.
6. Irms: Temp rise = 40°C at rated RMS current.

RoHS

## IMPEDANCE VS. FREQUENCY

