

CTCBF Series

Medium Current

From 7 Ω to 2,000 Ω



CHARACTERISTICS

Description: Medium current multi-layer ferrite chip beads

Applications: Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics

Operating Temperature: -40°C to +125°C

Impedance Range:

CTCB0603F: 30-1500 Ω

CTCB0805F: 7-2000 Ω

CTCB1206F: 600 Ω

Testing: Impedance is tested on an HP4287A at 100MHz

Packaging: Tape & Reel

Miscellaneous: RoHS Compliant.

Marking: Reels marked with part number

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

SPECIFICATIONS

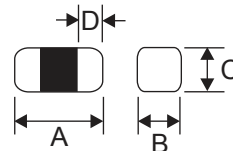
Parts are available in ±25% inductance tolerance only.

| Part Number | Impedance (Ω) | Test Freq. (MHz) | DCR Max. (Ω) | IDC (mA) |
|----------------|---------------|------------------|--------------|----------|
| CTCB0603F-300M | 30 | 100 | .06 | 800 |
| CTCB0603F-600M | 60 | 100 | .06 | 700 |
| CTCB0603F-800M | 80 | 100 | .10 | 600 |
| CTCB0603F-101M | 100 | 100 | .15 | 600 |
| CTCB0603F-121M | 120 | 100 | .15 | 600 |
| CTCB0603F-221M | 220 | 100 | .18 | 550 |
| CTCB0603F-301M | 300 | 100 | .25 | 500 |
| CTCB0603F-601M | 600 | 100 | 0.3 | 400 |
| CTCB0603F-102M | 1000 | 100 | .45 | 300 |
| CTCB0603F-152M | 1500 | 100 | .70 | 150 |
| CTCB0805F-070M | 7 | 100 | .06 | 1000 |
| CTCB0805F-600M | 60 | 100 | .10 | 900 |
| CTCB0805F-121M | 120 | 100 | .15 | 800 |
| CTCB0805F-221M | 220 | 100 | .18 | 750 |
| CTCB0805F-301M | 300 | 100 | .18 | 700 |
| CTCB0805F-601M | 600 | 100 | .25 | 500 |
| CTCB0805F-102M | 1000 | 100 | .30 | 400 |
| CTCB0805F-152M | 1500 | 100 | .40 | 400 |
| CTCB0805F-202M | 2000 | 100 | .55 | 400 |
| CTCB1206F-601M | 600 | 100 | .20 | 500 |

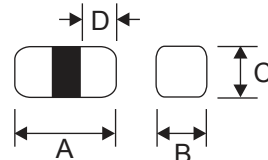
PHYSICAL DIMENSIONS

| Size | | A | B | C | D |
|-----------------------|--------|-------------|-------------|-------------|-------------|
| 0603 | inches | 0.063±0.008 | 0.03±0.008 | 0.03±0.008 | 0.016±0.008 |
| | mm | 1.6±0.2 | 0.8±0.2 | 0.8±0.2 | 0.4±0.2 |
| 1608/0805/2012 | inches | 0.08±0.008 | 0.047±0.008 | 0.035±0.008 | 0.02±0.012 |
| | mm | 2.0±0.2 | 1.2±0.2 | 0.9±0.2 | 0.5±0.3 |
| 1206/3216 | inches | 0.126±0.008 | 0.063±0.008 | 0.043±0.008 | 0.02±0.012 |
| | mm | 3.2±0.2 | 1.6±0.2 | 1.1±0.2 | 0.5±0.3 |

CTCB0603F



CTCB0805F



CTCB1206F

