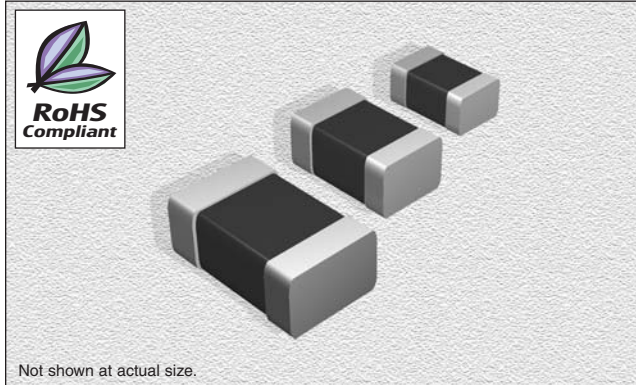


## CTCBF Series

Standard

From 6 Ω to 2,200 Ω

### ENGINEERING KIT #16



### CHARACTERISTICS

- Description:** Standard 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:**
- CTCB0402F: 6-600 Ω
  - CTCB0603F: 11-2200 Ω
  - CTCB0805F: 7-2200 Ω
  - CTCB1206F: 19-2000 Ω
  - CTCB1210F: 31-90 Ω
  - CTCB1806F: 50-170 Ω
  - CTCB1812F: 70-125 Ω
- Testing:** Impedance is tested on an HP4287A at 100 MHz
- 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% tolerance only.

| Part Number    | Impedance (Ω) | Test Freq. (MHz) | DCR Max. (Ω) | IDC (mA) |
|----------------|---------------|------------------|--------------|----------|
| CTCB0402F-060S | 6             | 100              | 0.05         | 500      |
| CTCB0402F-100S | 10            | 100              | 0.05         | 500      |
| CTCB0402F-400S | 40            | 100              | 0.30         | 300      |
| CTCB0402F-800S | 80            | 100              | 0.40         | 200      |
| CTCB0402F-121S | 120           | 100              | 0.50         | 200      |
| CTCB0402F-151S | 150           | 100              | 0.40         | 400      |
| CTCB0402F-241S | 240           | 100              | 0.50         | 200      |
| CTCB0402F-481S | 480           | 100              | 0.80         | 100      |
| CTCB0402F-601S | 600           | 100              | 1.00         | 100      |
| CTCB0603F-110S | 11            | 100              | 0.05         | 500      |
| CTCB0603F-190S | 19            | 100              | 0.08         | 500      |
| CTCB0603F-300S | 30            | 100              | 0.10         | 400      |
| CTCB0603F-400S | 40            | 100              | 0.10         | 400      |
| CTCB0603F-600S | 60            | 100              | 0.10         | 400      |
| CTCB0603F-800S | 80            | 100              | 0.15         | 400      |
| CTCB0603F-121S | 120           | 100              | 0.25         | 400      |
| CTCB0603F-221S | 220           | 100              | 0.30         | 300      |
| CTCB0603F-301S | 300           | 100              | 0.40         | 300      |
| CTCB0603F-451S | 450           | 100              | 0.50         | 300      |
| CTCB0603F-601S | 600           | 100              | 0.50         | 300      |
| CTCB0603F-751S | 750           | 100              | 0.60         | 300      |
| CTCB0603F-102S | 1000          | 100              | 0.60         | 300      |
| CTCB0603F-152S | 1500          | 100              | 0.60         | 300      |
| CTCB0603F-222S | 2200          | 100              | 0.80         | 200      |
| CTCB0805F-070S | 7             | 100              | 0.10         | 600      |
| CTCB0805F-090S | 9             | 100              | 0.10         | 600      |
| CTCB0805F-100S | 10            | 100              | 0.20         | 600      |
| CTCB0805F-110S | 11            | 100              | 0.10         | 600      |
| CTCB0805F-170S | 17            | 100              | 0.10         | 600      |
| CTCB0805F-320S | 32            | 100              | 0.10         | 600      |
| CTCB0805F-600S | 60            | 100              | 0.15         | 500      |
| CTCB0805F-700S | 70            | 100              | 0.15         | 500      |
| CTCB0805F-800S | 80            | 100              | 0.15         | 500      |
| CTCB0805F-121S | 120           | 100              | 0.25         | 300      |
| CTCB0805F-151S | 150           | 100              | 0.25         | 300      |
| CTCB0805F-221S | 220           | 100              | 0.30         | 300      |
| CTCB0805F-301S | 300           | 100              | 0.30         | 300      |
| CTCB0805F-401S | 400           | 100              | 0.30         | 300      |
| CTCB0805F-501S | 500           | 100              | 0.40         | 300      |
| CTCB0805F-601S | 600           | 100              | 0.40         | 300      |
| CTCB0805F-751S | 750           | 100              | 0.50         | 200      |
| CTCB0805F-102S | 1000          | 100              | 0.50         | 200      |
| CTCB0805F-152S | 1500          | 100              | 0.60         | 200      |
| CTCB0805F-202S | 2000          | 100              | 0.70         | 200      |
| CTCB0805F-222S | 2200          | 100              | 0.70         | 200      |
| CTCB1206F-190S | 19            | 100              | 0.20         | 500      |
| CTCB1206F-260S | 26            | 100              | 0.20         | 500      |
| CTCB1206F-310S | 31            | 100              | 0.20         | 500      |
| CTCB1206F-320S | 32            | 100              | 0.10         | 600      |
| CTCB1206F-500S | 50            | 100              | 0.20         | 400      |
| CTCB1206F-600S | 60            | 100              | 0.10         | 500      |
| CTCB1206F-700S | 70            | 100              | 0.50         | 200      |
| CTCB1206F-800S | 80            | 100              | 0.20         | 400      |
| CTCB1206F-900S | 90            | 100              | 0.20         | 400      |
| CTCB1206F-101S | 100           | 100              | 0.15         | 500      |
| CTCB1206F-121S | 120           | 100              | 0.20         | 300      |
| CTCB1206F-151S | 150           | 100              | 0.20         | 200      |
| CTCB1206F-201S | 200           | 100              | 0.20         | 400      |
| CTCB1206F-221S | 220           | 100              | 0.50         | 300      |
| CTCB1206F-301S | 300           | 100              | 0.20         | 300      |
| CTCB1206F-401S | 400           | 100              | 0.60         | 100      |
| CTCB1206F-501S | 500           | 100              | 0.20         | 400      |
| CTCB1206F-601S | 600           | 100              | 0.50         | 200      |
| CTCB1206F-102S | 1000          | 100              | 0.60         | 100      |
| CTCB1206F-122S | 1200          | 50               | 0.50         | 200      |
| CTCB1206F-152S | 1500          | 50               | 0.90         | 100      |
| CTCB1206F-202S | 2000          | 30               | 0.60         | 200      |
| CTCB1210F-310S | 31            | 100              | 0.30         | 400      |
| CTCB1210F-320S | 32            | 100              | 0.20         | 500      |
| CTCB1210F-520S | 52            | 100              | 0.30         | 400      |
| CTCB1210F-600S | 60            | 100              | 0.30         | 400      |
| CTCB1210F-900S | 90            | 100              | 0.20         | 500      |
| CTCB1806F-500S | 50            | 100              | 0.20         | 600      |
| CTCB1806F-600S | 60            | 100              | 0.20         | 600      |
| CTCB1806F-800S | 80            | 100              | 0.20         | 600      |
| CTCB1806F-101S | 100           | 100              | 0.30         | 500      |
| CTCB1806F-151S | 150           | 100              | 0.30         | 500      |
| CTCB1806F-171S | 170           | 100              | 0.30         | 500      |
| CTCB1812F-700S | 70            | 100              | 0.40         | 300      |
| CTCB1812F-121S | 120           | 100              | 0.40         | 300      |
| CTCB1812F-125S | 125           | 100              | 0.40         | 300      |

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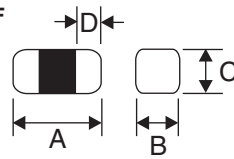
# CTCBF Series

## Standard

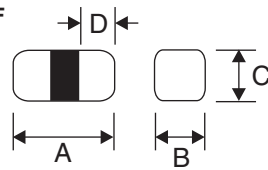
### PHYSICAL DIMENSIONS

| Size             |        | A           | B           | C           | D           |
|------------------|--------|-------------|-------------|-------------|-------------|
| <b>0402/1005</b> | inches | 0.039±0.006 | 0.02±0.006  | 0.02±0.006  | 0.01±0.006  |
|                  | mm     | 1.0±0.15    | 0.5±0.15    | 0.5±0.15    | 0.25±0.15   |
| <b>0603/1608</b> | 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     |
| <b>0805/2012</b> | 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     |
| <b>1206/3216</b> | 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     |
| <b>1210/3225</b> | inches | 0.126±0.008 | 0.098±0.008 | 0.05±0.008  | 0.02±0.12   |
|                  | mm     | 3.2±0.2     | 2.5±0.2     | 1.3±0.2     | 0.3±0.3     |
| <b>1806/4516</b> | inches | 0.177±0.01  | 0.063±0.008 | 0.063±0.008 | 0.02±0.012  |
|                  | mm     | 4.5±0.25    | 1.6±0.2     | 1.6±0.2     | 0.5±0.3     |
| <b>1812/4532</b> | inches | 0.177±0.008 | 0.126±0.008 | 0.05±0.008  | 0.02±0.012  |
|                  | mm     | 4.5±0.2     | 3.2±0.2     | 1.5±0.2     | 0.5±0.3     |

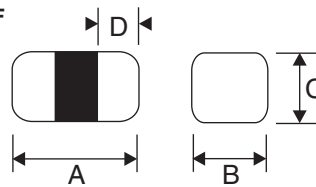
CTCB0402F



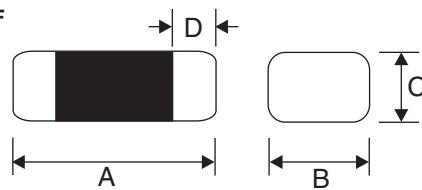
CTCB0603F



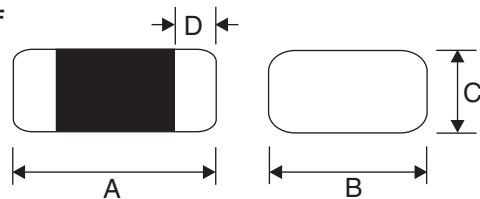
CTCB0805F



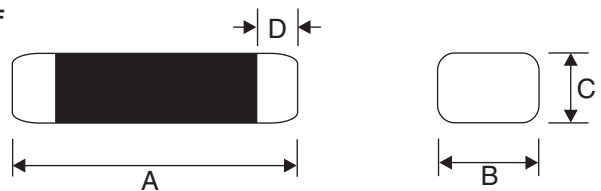
CTCB1206F



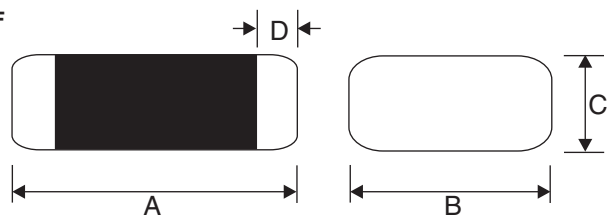
CTCB1210F



CTCB1806F



CTCB1812F



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