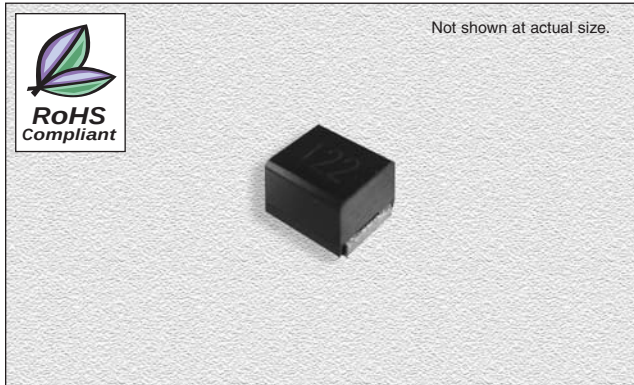


# CTMC2220F Series

From 1,200  $\mu\text{H}$  to 10,000  $\mu\text{H}$



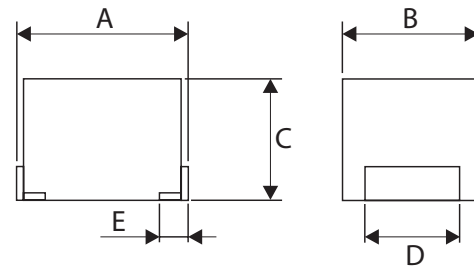
## SPECIFICATIONS

Please specify tolerance code when ordering.  
CTMC2220F-122\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$

| Part Number    | Inductance ( $\mu\text{H}$ ) | L Test Freq. (MHz) | Q Fact. Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. ( $\Omega$ ) | Rated DC (mA) |
|----------------|------------------------------|--------------------|--------------|--------------------|----------------|-----------------------|---------------|
| CTMC2220F-122_ | 1200                         | .252               | 20           | .252               | 1.5            | 17                    | 75            |
| CTMC2220F-152_ | 1500                         | .252               | 20           | .252               | 1.4            | 20                    | 70            |
| CTMC2220F-182_ | 1800                         | .252               | 20           | .252               | 1.3            | 30                    | 60            |
| CTMC2220F-222_ | 2200                         | .252               | 20           | .252               | 1.2            | 35                    | 55            |
| CTMC2220F-272_ | 2700                         | .252               | 20           | .252               | 1.1            | 55                    | 45            |
| CTMC2220F-332_ | 3300                         | .252               | 20           | .252               | 1.0            | 60                    | 40            |
| CTMC2220F-392_ | 3900                         | .252               | 20           | .252               | 1.0            | 70                    | 38            |
| CTMC2220F-472_ | 4700                         | .252               | 20           | .252               | 0.9            | 78                    | 36            |
| CTMC2220F-562_ | 5600                         | .252               | 20           | .252               | 0.8            | 85                    | 33            |
| CTMC2220F-682_ | 6800                         | .252               | 20           | .252               | 0.7            | 110                   | 30            |
| CTMC2220F-822_ | 8200                         | .252               | 20           | .252               | 0.6            | 125                   | 28            |
| CTMC2220F-103_ | 10000                        | .0796              | 15           | .0796              | 0.5            | 150                   | 25            |

## PHYSICAL DIMENSIONS

| Size   | A Max. | B Max. | C Max. | D                 | E                 |
|--------|--------|--------|--------|-------------------|-------------------|
| mm     | 5.9    | 5.2    | 4.2    | 4 $\pm$ 0.2       | 0.7 $\pm$ 0.2     |
| inches | 0.232  | 0.205  | 0.165  | 0.157 $\pm$ 0.008 | 0.028 $\pm$ 0.008 |



## CHARACTERISTICS

**Description:** Ferrite core, wire-wound molded chip inductor

**Applications:** TV's, VCR's, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobiles

**Operating Temperature:** -25°C to +85°C

**Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$

**Testing:** Inductance and Q are tested on an HP4285A at specified frequency

**Packaging:** Tape & Reel

**Part Marking:** Inductance code.

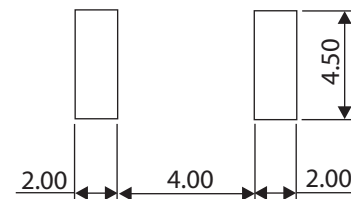
**Miscellaneous:** RoHS Compliant.

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

**Samples available.** See website for ordering information.

## LAND PATTERN

Unit: mm



05.12.11