

CTMLP080504CF

Series

From 0.24µH to 2.2µH



CHARACTERISTICS

Description: SMD Multi-layer Power Chip Inductor. Magnetically shielded.

Applications: Cellular phones, Power modules, DC/DC converters, Digital cameras, DVD, Portable devices, etc.

Operating Temperature: -55°C to 125°C (including self - temp. rise).

Isat: Inductance drop 30% from its value with current.

Irms: 40°C temperature rise from 25°C ambient with current.

Inductance Tolerance: ±20% (M), ±30% (N)

Packaging: Tape & Reel.

Miscellaneous: **RoHS Compliant.**

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

Samples available. See website for ordering information.

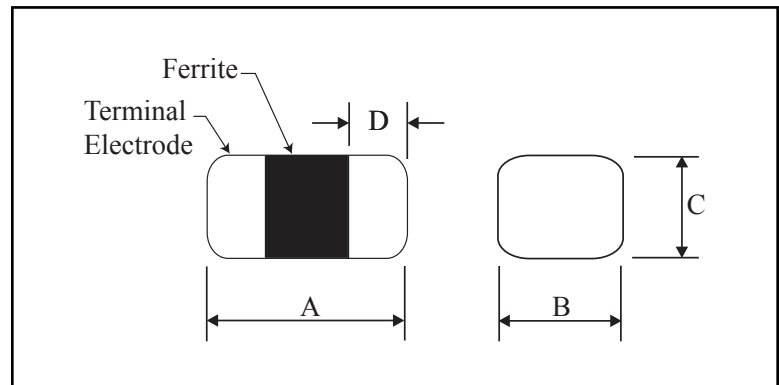
SPECIFICATIONS

Please specify tolerance code when ordering.
CTMLP080504CF-R47_ ← M = ±20%, N = ±30%

| Part Number | Inductance (µH) | Test Frequency | DCR ±25% (Ω) | Isat Max.(Typ.) (mA) | Irms Max.(Typ.) (mA) |
|--------------------|-----------------|----------------|--------------|----------------------|----------------------|
| CTMLP080504CF-R24_ | 0.24 | 3.0MHz, 200mV | 0.03 | 2700(3300) | 2400(3200) |
| CTMLP080504CF-R47_ | 0.47 | 3.0MHz, 200mV | 0.06 | 1600(2000) | 2200(3000) |
| CTMLP080504CF-1R0_ | 1.0 | 3.0MHz, 200mV | 0.10 | 1400(1700) | 1800(2100) |
| CTMLP080504CF-2R2_ | 2.2 | 3.0MHz, 200mV | 0.125 | 500(800) | 1600(1900) |

PHYSICAL DIMENSIONS

| Size | A | B | C Max. | D |
|--------|---------------|---------------|-----------|---------------|
| mm | 2.0 ± 0.20 | 1.25 ± 0.20 | 1.00 | 0.5 ± 0.3 |
| inches | 0.079 ± 0.008 | 0.049 ± 0.008 | 0.039 | 0.020 ± 0.012 |



PAD LAYOUT

