

CTMPH100805F Series

From 0.24 μ H to 2.2 μ H



CHARACTERISTICS

Description: SMD Molded Magnetically Shielded Inductors
Applications: Smartphone, Tablet PC, Hard Disk for Ultrabook, DC/DC Converters, Portable Devices, etc.
Operating Temperature: -40°C to 125°C (including self-temperature rise)
Inductance Tolerance: $\pm 20\%$
Testing: Inductance is tested on an E4991A/HP4287A+16197A, 2MHz, 0.2V.
Packaging: Tape and Reel.
Miscellaneous: **RoHS Compliant.**
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

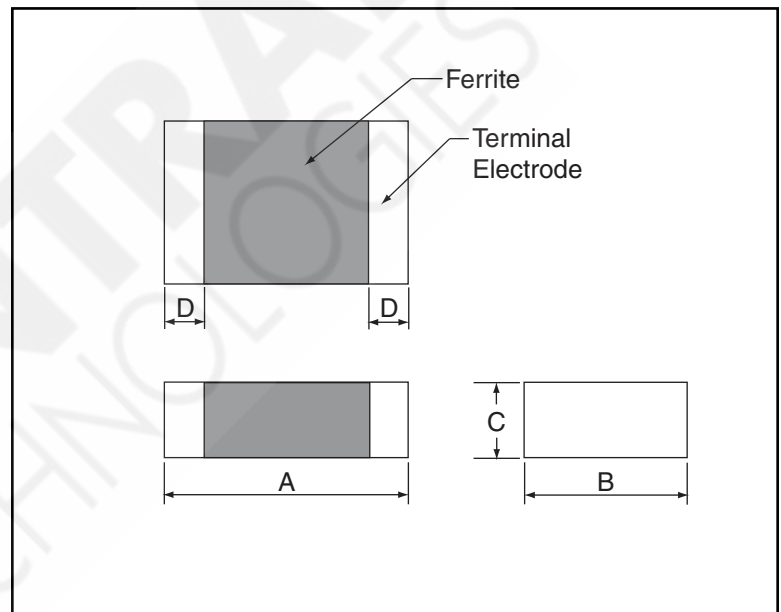
SPECIFICATIONS

Isat: DC current (A) that will cause L to drop approximately 30%.
Irms: DC current (A) that will cause an approximate ΔT of 40°C.

| Part Number | Inductance (μ H) | L Test Freq. (MHz) | DCR Max.(Typ.) (m Ω) | Isat Max.(Typ.) (A) | Irms Max.(Typ.) (A) |
|-------------------|-----------------------|--------------------|------------------------------|---------------------|---------------------|
| CTMPH100805F-R24M | 0.24 | 2.0 | 15(11.5) | 9.0(10.5) | 6.2(7.3) |
| CTMPH100805F-R33M | 0.33 | 2.0 | 18(14.5) | 8.5(10) | 5.8(6.4) |
| CTMPH100805F-R47M | 0.47 | 2.0 | 33(28) | 5.6(7.0) | 3.8(4.5) |
| CTMPH100805F-R68M | 0.68 | 2.0 | 36(30) | 5.0(6.2) | 3.8(4.4) |
| CTMPH100805F-1R0M | 1.0 | 2.0 | 42(35) | 4.4(5.5) | 3.6(4.1) |
| CTMPH100805F-1R5M | 1.5 | 2.0 | 65(57) | 3.4(4.2) | 2.7(3.1) |
| CTMPH100805F-2R2M | 2.2 | 2.0 | 83(74) | 3.0(3.7) | 2.5(2.9) |

PHYSICAL DIMENSIONS

| Size | A | B | C Max. | D |
|--------|-------------------|-------------------|-----------|-------------------|
| mm | 2.5 \pm 0.3 | 2.0 \pm 0.3 | 1.2 | 0.6 \pm 0.3 |
| inches | 0.098 \pm 0.012 | 0.079 \pm 0.012 | 0.047 | 0.024 \pm 0.012 |



PAD LAYOUT

