Self Leaded Power Inductors – HCT

This low cost toroidal inductor is designed for high current, low voltage applications, particularly the latest generation of low voltage microprocessors.

The toroid core offers compact size with minimal external magnetic fields.

This part can be provided in either vertical or horizontal mounting style. Custom versions can be readily obtained in addition to the standard parts shown.

For free evaluation samples, please contact Coilcraft.

Inductance vs Current

Dimensions - Vertical Style

Dimensions - Horizontal Style

Part number | Mounting style | L at 0A\(^{1}\) (µH) | L at 15A\(^{1}\) min (µH) | DCR max (Ohms) | I\(_{\text{rms}}\)\(^{2}\) (A)
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HCT-1-152-15L Vertical | 1.875 | 1.24 | 0.0021 | 15
HCT-2-152-15L Horizontal | 1.875 | 1.24 | 0.0021 | 15

1. Inductance tested at 0.1 Vrms, 100 kHz.
2. Current that causes a 40°C rise from 25°C ambient.
3. Operating temperature –40°C to +85°C.
4. Specifications at 25°C.

Weight: 5.95 g
Terminations: Tin-silver over copper

Dimensions are in inches

Dimensions are in mm

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RoHS compliant