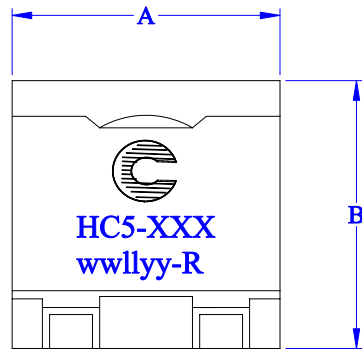
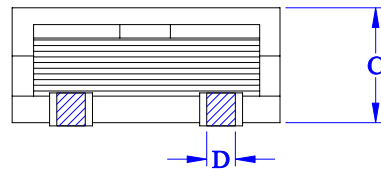


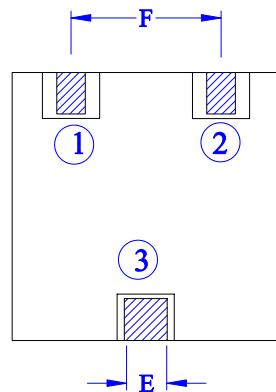
TOP VIEW



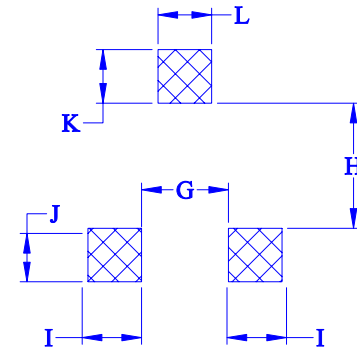
FRONT VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT



DIMENSION TABLE

A: 12.50 ±0.80	G: 4.00 Ref.
B: 12.50 ±0.60	H: 7.00 Ref.
C: 5.30 ±0.50	I: 3.00 Ref.
D: 2.00 ±0.20	J: 3.30 Ref.
E: 2.60 ±0.20	K: 3.30 Ref.
F: 7.00 ±0.50	L: 3.00 Ref.

SCHEMATIC



- Notes:**
- All dimensions are in millimeters unless otherwise noted.
 - Stamping: Coiltronics Logo
(HC5-xxx) Last 3 characters = Inductance in μH . R=decimal point.
If no R is present third character = # of zeros.
wwllyy = (Date Code) R= (Revision Level)
 - RoHS Compliant

Cooper Electronic Technologies

3601 Quantum Boulevard Boynton Beach, Florida 33426.

Inductor Shielded SMD Power (HC5)
Family Drawing

Size	Drawing Number:	HC5-5 Inductor Line
A	Revision Level:	A Sheet 4 of 4

[illegible]

Electrical Requirement Notes: 1) Test Frequency: 100KHz 0.1V 2) DCR @ 20°C

General Specifications:	
1. Material:	High-strength steel plate, minimum yield strength 355 MPa.
2. Dimensions:	Overall length 1000 mm, width 200 mm, thickness 10 mm.
3. Surface Finish:	Smooth, free of rust, scale, and other contaminants.
4. Coating:	Galvanized (Zn-55g/m² min).
5. Marking:	Part number and manufacturer's name to be clearly marked on the plate.
6. Testing:	Visual inspection and mechanical testing (tensile and impact) to be performed on samples.
7. Delivery:	Delivered in standard A4 format, protected from damage.

- a) Temp. Rise: 40°C Max @ Irms rating.
b) $\Delta L(I_{sat} 2)/L(0A) = 30\%$ Typical
c) Storage Temp.: -40°C ~ +105°C
d) Operating Temp.: -25°C ~ +125°C
e) Resistance to Solder Heat: 260°C for 10 secs.
Parts available in Tape and Reel. 13" diameter reel : 600 parts per reel.

Cooper Electronic Technologies

3601 Quantum Blvd, Boynton Beach, FL 33426

Inductor Shielded SMD Power (HC5)

Family Drawing

Option Code (Suffix)	Description
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-R	RoHS Compliant Version
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SIZE	Drawing Number:	HC5-R Inductor Line
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A	Revision Level: A	Sheet 3 of 12
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