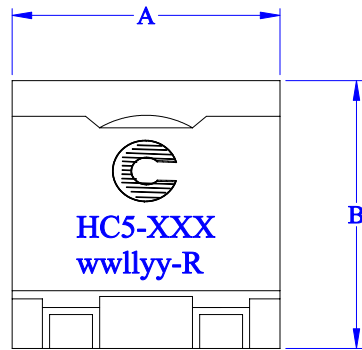
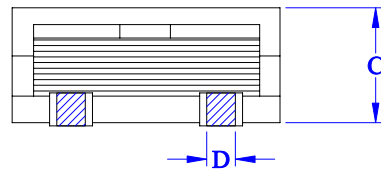


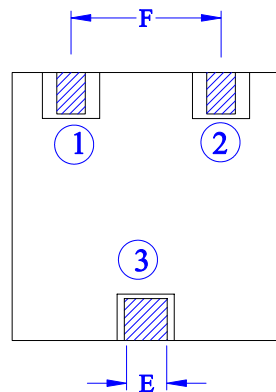
## TOP VIEW



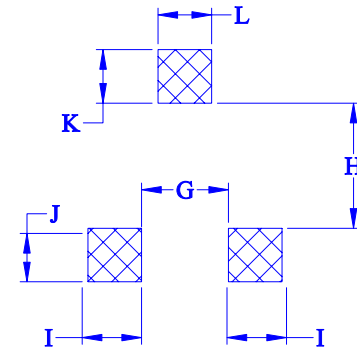
## FRONT VIEW



## 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  $\mu$ H. 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

|                                |  |
|--------------------------------|--|
| <b>General Specifications:</b> |  |
|--------------------------------|--|

- 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 |
|----------------------|-------------|
|----------------------|-------------|

|    |                        |
|----|------------------------|
| -R | RoHS Compliant Version |
|----|------------------------|

|      |                 |                            |
|------|-----------------|----------------------------|
| SIZE | Drawing Number: | <b>HC5-R Inductor Line</b> |
|------|-----------------|----------------------------|

|   |                   |               |
|---|-------------------|---------------|
| A | Revision Level: A | Sheet 3 of 12 |
|---|-------------------|---------------|