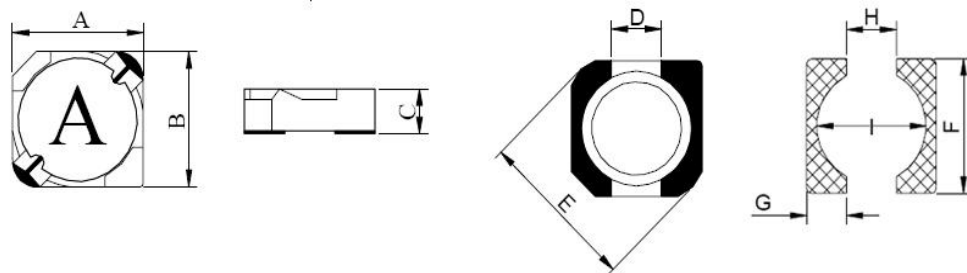




# Qian Hong Electronics Co.,Ltd.

## MECHANICAL DIMENSIONS(mm):



A: 3.00 Max.  
 B: 3.00 Max.  
 C: 1.20 Max.  
 D: 0.95 Typ.  
 E: 3.50 Ref.  
 F: 3.20 Ref.  
 G: 0.95 Ref.  
 H: 0.90 Ref.  
 I : 2.30 Ref.

## ELECTRICAL CHARACTERISTICS:

MODEL NO	L(uH)	Test Freq.(kHz)/0.1V	DCR Max.(mΩ)	I <sub>sat</sub> (A)	I <sub>rms</sub> (A)
SD3012-1R0Y	1.0±30%	100	85.0	0.90	1.20
SD3012-1R7Y	1.7±30%	100	120.0	0.82	1.10
SD3012-3R3Y	3.3±30%	100	170.0	0.60	1.00
SD3012-4R7Y	4.7±30%	100	270.0	0.47	0.80
SD3012-6R8Y	6.8±30%	100	340.0	0.40	0.75
SD3012-100Y	10±30%	100	530.0	0.35	0.60
SD3012-150Y	15±30%	100	860.0	0.25	0.40
SD3012-220Y	22±30%	100	1400.0	0.20	0.30

1. Isat Base on  $\Delta L/L0A=35\%$  typ.
2. I<sub>rms</sub> Base on temp rise 40°C typ.