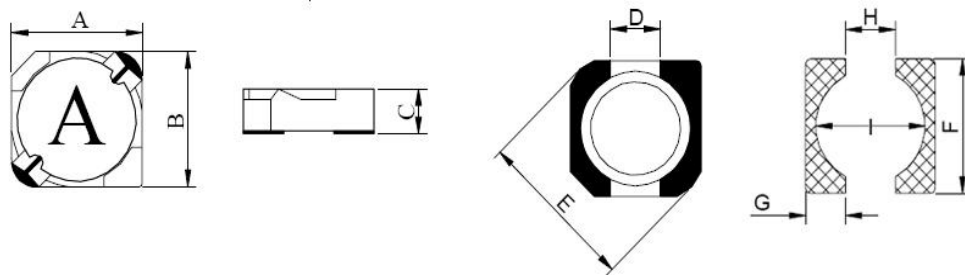




# Qian Hong Electronics Co.,Ltd.

## MECHANICAL DIMENSIONS(mm):



A: 3.00 Max.  
 B: 3.00 Max.  
 C: 1.80 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)
SD3018-1R0Y	1.0±30%	100	46.0	2.07	2.25
SD3018-2R2Y	2.2±30%	100	90.0	1.26	1.49
SD3018-3R3Y	3.3±30%	100	124.0	1.08	1.24
SD3018-4R7Y	4.7±30%	100	151.0	0.99	1.13
SD3018-6R8Y	6.8±30%	100	224.0	0.72	0.95
SD3018-100M	10±20%	100	319.0	0.63	0.77
SD3018-150M	15±20%	100	481.0	0.50	0.63
SD3018-220M	22±20%	100	781.0	0.43	0.50
SD3018-330M	33±20%	100	1091.0	0.34	0.36
SD3018-470M	47±20%	100	1468.0	0.29	0.30
SD3018-680M	68±20%	100	2158.0	0.23	0.25
SD3018-101M	100±20%	100	3433.0	0.18	0.19

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