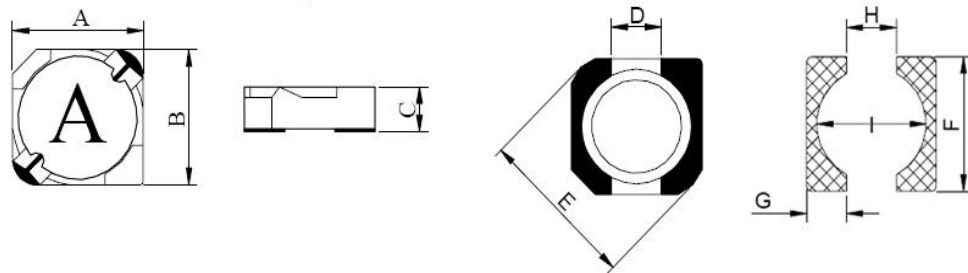




Qian Hong Electronics Co.,Ltd.

MECHANICAL DIMENSIONS(mm):



- A: 5.00 Max.
- B: 5.00 Max.
- C: 1.80 Max.
- D: 2.10 Typ.
- E: 6.20 Ref.
- F: 5.20 Ref.
- G: 1.60 Ref.
- H: 2.00 Ref.
- I: 4.20 Ref.

ELECTRICAL CHARACTERISTICS:

MODEL NO	L(uH)	Test Freq.(kHz)/0.1V	DCR Max.(mΩ)	I _{ast} (A)	I _{rms} (A)
SD5018-1R0Y	1.0±30%	100	35.0	2.60	2.70
SD5018-1R8Y	1.8±30%	100	58.0	2.20	2.35
SD5018-2R7Y	2.7±30%	100	60.0	1.90	2.02
SD5018-3R3Y	3.3±30%	100	70.0	1.70	1.80
SD5018-4R7Y	4.7±30%	100	82.0	1.50	1.72
SD5018-5R6Y	5.6±30%	100	95.0	1.30	1.65
SD5018-6R8Y	6.8±30%	100	100.0	1.20	1.50
SD5018-8R2Y	8.2±30%	100	135.0	1.05	1.35
SD5018-100M	10±20%	100	150.0	1.00	1.30
SD5018-120M	12±20%	100	195.0	0.90	1.15
SD5018-150M	15±20%	100	220.0	0.82	1.03
SD5018-180M	18±20%	100	280.0	0.75	0.92
SD5018-220M	22±20%	100	330.0	0.65	0.87
SD5018-270M	27±20%	100	400.0	0.57	0.75
SD5018-330M	33±20%	100	480.0	0.50	0.70
SD5018-390M	39±20%	100	600.0	0.48	0.60
SD5018-470M	47±20%	100	770.0	0.45	0.50
SD5018-560M	56±20%	100	820.0	0.40	0.47
SD5018-680M	68±20%	100	940.0	0.38	0.45
SD5018-820M	82±20%	100	1200.0	0.32	0.40
SD5018-101M	100±20%	100	1350.0	0.30	0.35

1. Rated Current Base on $\Delta L/L0A=35\%$ typ. 2.
 Rated Current Base on temp rise 40°C typ.