



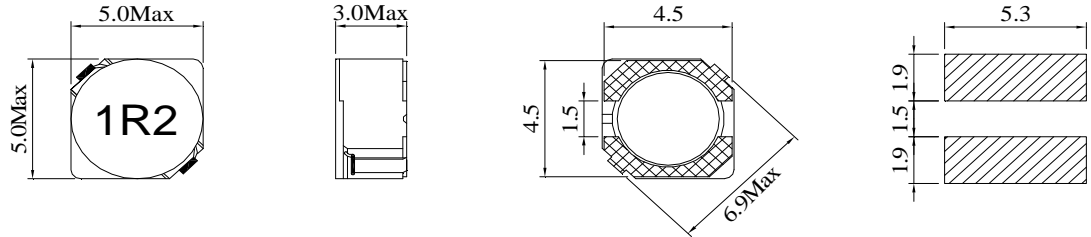
# SDRT53 Series



## Feature:

- Magnetically shielded design inductor to prevent noise radiation.
- Low profile design, 3 mm Max. height.
- Compact size saving board space, 5x5 mm Max. foot print.
- Inductance range: 1.2 ~ 180 uH. Custom values are available upon request.
- Tape & Reel Qtys: 2000 pcs per reel.

## Dimension (mm):



Electrical Specification:			
Part Number	L @ 100 kHz 0.25V (uH)	DCR Max. (mΩ)	I <sub>rate</sub> (Amp)
SDRT53-1R0XHF	1.2	23.6	2.56
SDRT53-1R8XHF	1.8	27.5	2.20
SDRT53-2R2XHF	2.2	31.3	2.04
SDRT53-3R3XHF	3.3	49.2	1.57
SDRT53-4R7XHF	4.7	72.0	1.32
SDRT53-5R6XHF	5.6	100.9	1.17
SDRT53-6R8XHF	6.8	108.9	1.12
SDRT53-8R2XHF	8.2	117.5	1.04
SDRT53-100XHF	10	128.3	1.00
SDRT53-120XHF	12	131.6	0.84
SDRT53-150XHF	15	149.0	0.76
SDRT53-180XHF	18	166.0	0.72
SDRT53-220XHF	22	235.0	0.70
SDRT53-330XHF	33	378.0	0.56
SDRT53-470XHF	47	587.0	0.48
SDRT53-560XHF	56	624.5	0.41
SDRT53-680XHF	68	699.0	0.35
SDRT53-820XHF	82	914.8	0.32
SDRT53-101XHF	100	1020.0	0.29
SDRT53-151XHF	150	1350.0	0.24
SDRT53-181XHF	180	1540.0	0.22

## Note:

1. Tolerance code: K = 10%, M = 20%, N = 30%.
2. I<sub>rate</sub> is the current causing the inductance drop by 35% from initial inductance or 40°C temperature rise whichever comes first.
3. Operation temperature: -55 ~ 130 °C.