

Type:SDRR105

◆ Product Description

- 10.4×10.4mm Max.(L×W),4.80mm Max. Height.
- Inductance Range: 3.3~1500.0μH
- Rated current range: 0.21 ~4.8A
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.



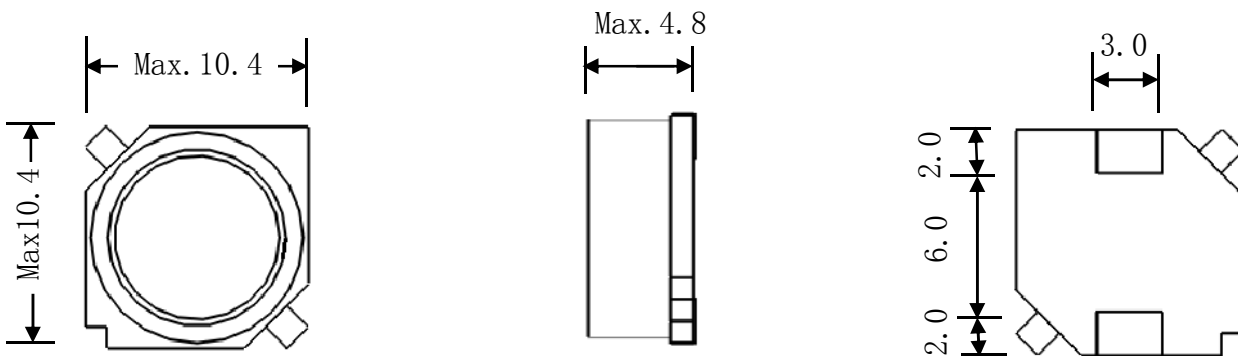
◆ Feature

- Magnetically shielded construction.
- Ideally used as automotive components(engine control module)
- RoHS Compliance

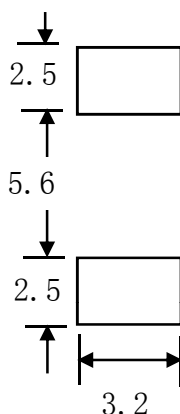
◆ Application

- Automotive components

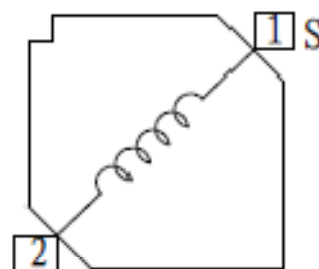
◆ Dimensions(mm)



◆ Land Pattern (mm)



◆ Schematics(Bottom)

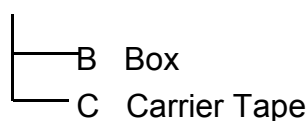


Type:SDRR105
◆ Specification

Suntek Part Number	System code	Stamp	Inductance (μH) 100KHz	D.C.R.(mΩ) Max.(Typ.) (at20℃)	Saturation Current (A)		Temperature Rise Current (A)
					at25℃	(at125℃)	
SDRR105-3R3N□		3R3	3.3±30%	21.0(16.8)	4.80(6.00)	3.76(4.70)	4.90(5.60)
SDRR105-5R6M□		5R6	5.6±20%	29.6(23.7)	3.52(4.40)	2.88(3.60)	3.90(4.50)
SDRR105-100M□		100	10±20%	47.5(38.0)	2.48(3.10)	1.92(2.40)	3.00(3.42)
SDRR105-150M□		150	15±20%	63.8(51.0)	2.00(2.50)	1.56(1.95)	2.71(3.08)
SDRR105-220M□		220	22±20%	77.5(62.0)	1.66(2.08)	1.30(1.62)	2.35(2.70)
SDRR105-330M□		330	33±20%	105(84)	1.32(1.65)	1.00(1.25)	1.93(2.20)
SDRR105-470M□		470	47±20%	138(110)	1.12(1.40)	0.87(1.09)	1.70(1.92)
SDRR105-680M□		680	68±20%	195(156)	0.98(1.22)	0.70(0.87)	1.38(1.58)
SDRR105-101M□		101	100±20%	278(222)	0.80(1.00)	0.63(0.79)	1.16(1.33)
SDRR105-151M□		151	150±20%	425(340)	0.67(0.84)	0.52(0.65)	0.93(1.05)
SDRR105-221M□		221	220±20%	573(458)	0.51(0.64)	0.40(0.50)	0.76(0.87)
SDRR105-331M□		331	330±20%	848(678)	0.44(0.54)	0.34(0.42)	0.61(0.71)
SDRR105-471M□		471	100±20%	1200(1010)	0.38(0.48)	0.30(0.37)	0.54(0.62)
SDRR105-681M□		681	150±20%	1820(1520)	0.32(0.39)	0.24(0.30)	0.42(0.48)
SDRR105-102M□		102	1000±20%	2710(2260)	0.26(0.32)	0.20(0.24)	0.32(0.37)
SDRR105-152M□		152	1500±20%	4000(3330)	0.21(0.26)	0.16(0.20)	0.27(0.32)

※Description of Part Name

SDRR105-3R3N□



- 1.Saturation current: The DC current at which the inductance decreases by 10% of its initial value.
- 2.Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$.($T_a=20^{\circ}\text{C}$)