

Type:SDRR107

◆ Product Description

- 11.0×11.0mm Max.(L×W), 10.0mm Max. Height.
- Inductance Range: 100~1800.0μH
- Rated current range: 0.3 ~ 1.23A
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.



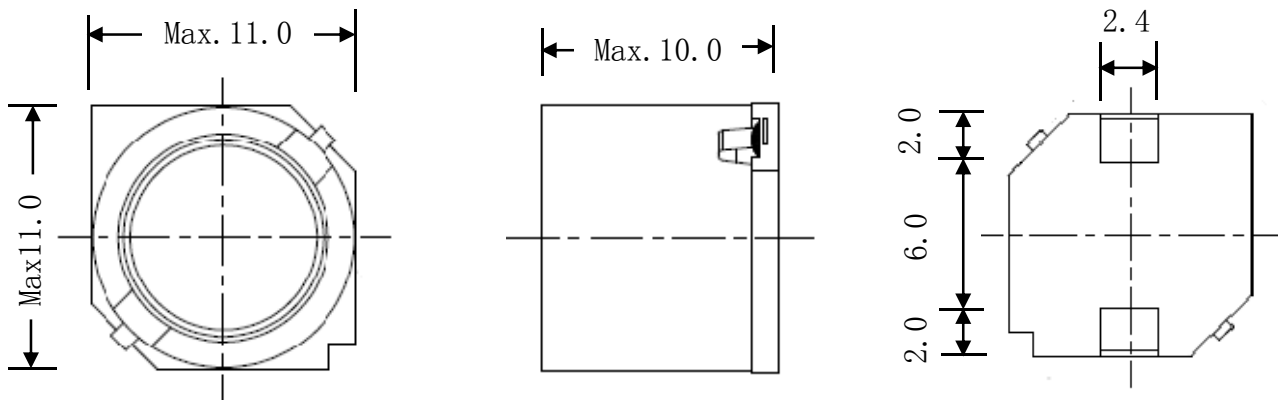
◆ Feature

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

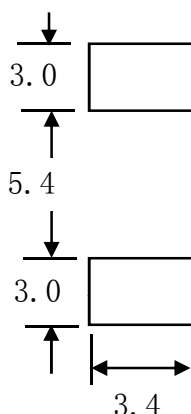
◆ Application

- Portable PC
- Video Recorder
- DSC/DVC
- HDD
- DC/DC converters, etc

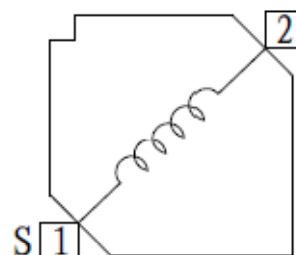
◆ Dimensions(mm)



◆ Land Pattern (mm)



◆ Schematics(Bottom)

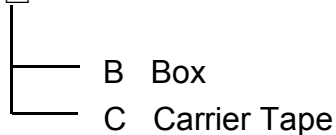


Type:SDRR107
◆ Specification

Suntek Part Number	System code	Stamp	Inductance (μH) 100KHz	D.C.R.(Ω) Max.(Typ.) (at20°C)	Saturation Current (A)		Temperature Rise Current (A)
					at25°C	(at125°C)	
SDRR107-101M□		101	100±20%	0.19(0.15)	1.23(1.54)	0.85(1.06)	1.40(1.60)
SDRR107-121M□		121	120±20%	0.20(0.16)	1.14(1.43)	0.72(0.90)	1.34(1.52)
SDRR107-151M□		151	150±20%	0.22(0.18)	1.02(1.28)	0.67(0.84)	1.26(1.44)
SDRR107-181M□		181	180±20%	0.25(0.20)	0.94(1.18)	0.65(0.81)	1.16(1.33)
SDRR107-221M□		221	220±20%	0.27(0.22)	0.86(1.07)	0.58(0.71)	0.98(1.12)
SDRR107-271M□		271	270±20%	0.39(0.31)	0.78(0.97)	0.53(0.66)	0.89(1.01)
SDRR107-331M□		331	330±20%	0.49(0.39)	0.72(0.90)	0.46(0.58)	0.81(0.92)
SDRR107-391M□		391	390±20%	0.54(0.43)	0.66(0.82)	0.44(0.55)	0.80(0.91)
SDRR107-471M□		471	470±20%	0.68(0.55)	0.58(0.73)	0.40(0.50)	0.68(0.77)
SDRR107-561M□		561	560±20%	0.86(0.69)	0.52(0.65)	0.36(0.45)	0.60(0.69)
SDRR107-681M□		681	680±20%	1.00(0.80)	0.47(0.59)	0.34(0.42)	0.59(0.67)
SDRR107-821M□		821	820±20%	1.10(0.89)	0.45(0.56)	0.30(0.38)	0.55(0.63)
SDRR107-102M□		102	1000±20%	1.43(1.15)	0.40(0.50)	0.28(0.36)	0.47(0.53)
SDRR107-122M□		122	1200±20%	1.60(1.25)	0.37(0.47)	0.25(0.32)	0.44(0.50)
SDRR107-152M□		152	1500±20%	2.10(1.70)	0.34(0.42)	0.20(.25)	0.38(0.43)
SDRR107-182M□		182	1800±20%	2.30(1.90)	0.30(0.37)	0.20(.25)	0.34(0.40)

※Description of Part Name

SDRR107-101M□



- 1.Saturation current: The DC current at which the inductance decreases by 30% from its initial value.
- 2.Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$.($T_a=20^{\circ}\text{C}$)