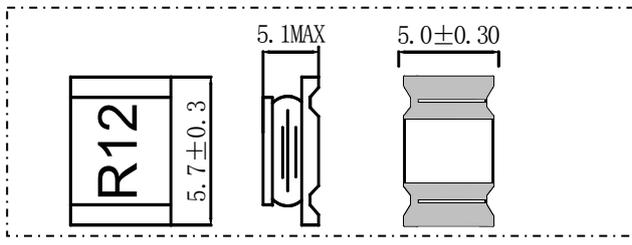


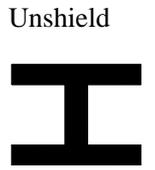
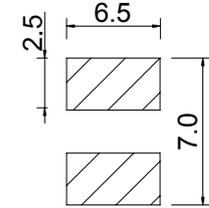
**SDS5047**

**Inductance Range: 0.12μH~3300μH**  
**Temperature Range: -40°C~+105°C**

**DIMENSIONS(mm)**



LAND PATTERNS(mm) CONSTRUCTION



**FEATURES:**

- ★Quantity / Reel: 1000pcs
- ★Small products, Quadrate6.0mm\*5.3mm, Height 5.1mm Max.
- ★The use of carrier tape package for SMT reflow soldering process
- ★Widely use in DC-DC converter/LCD TV/Notebook/  
PDA/MP3 & MP4 player/Digital camera/DVD etc.
- ★Design to customer requirement

RoHS Compliant(SGS Certified Result)				
Pb	Cd	Cr+6	PBBs	PBDEs
<1000ppm	ND	ND	ND	ND

**Electrical Characteristics:**

Part Number	Test Condition	Inductance (μH)	Tolerance (%)	D.C.R(Ω) Max.	Rated Current(A)
SDS5047-R12N	1MHz/0.3V	0.12	±30	10m	6.00
SDS5047-R27N	1MHz/0.3V	0.27	±30	14m	5.30
SDS5047-R47N	1MHz/0.3V	0.47	±30	18m	4.80
SDS5047-1R0N	1MHz/0.3V	1.0	±30	27m	4.00
SDS5047-1R5M	1MHz/0.3V	1.5	±20	31m	3.70
SDS5047-2R2M	1MHz/0.3V	2.2	±20	41m	3.20
SDS5047-3R3M	1MHz/0.3V	3.3	±20	50m	2.90
SDS5047-4R7M	1MHz/0.3V	4.7	±20	57m	2.70
SDS5047-6R8M	1MHz/0.3V	6.8	±20	0.100	2.00
SDS5047-100K,M	1MHz/0.3V	10	±10,±20	0.130	1.70
SDS5047-120K,M	1MHz/0.3V	12	±10,±20	0.200	1.50
SDS5047-150K,M	1MHz/0.3V	15	±10,±20	0.210	1.40
SDS5047-220K,M	1MHz/0.3V	22	±10,±20	0.270	1.20
SDS5047-240K,M	1MHz/0.3V	24	±10,±20	0.290	1.10
SDS5047-270K,M	1MHz/0.3V	27	±10,±20	0.300	1.00
SDS5047-330K,M	1MHz/0.3V	33	±10,±20	0.450	0.90
SDS5047-470K,M	1MHz/0.3V	47	±10,±20	0.560	0.80
SDS5047-680K,M	1MHz/0.3V	68	±10,±20	0.940	0.64
SDS5047-101K,M	100KHz/0.3V	100	±10,±20	1.200	0.56
SDS5047-151K,M	100KHz/0.3V	150	±10,±20	2.660	0.42
SDS5047-221K,M	100KHz/0.3V	220	±10,±20	3.360	0.32
SDS5047-331K,M	100KHz/0.3V	330	±10,±20	6.160	0.27
SDS5047-471K,M	100KHz/0.3V	470	±10,±20	7.560	0.24
SDS5047-681K,M	100KHz/0.3V	680	±10,±20	11.300	0.19
SDS5047-102K,M	10KHz/0.3V	1000	±10,±20	14.400	0.15
SDS5047-122K,M	10KHz/0.3V	1200	±10,±20	18.000	0.12
SDS5047-152K,M	10KHz/0.3V	1500	±10,±20	30.100	0.10
SDS5047-222K,M	10KHz/0.3V	2200	±10,±20	45.000	90m
SDS5047-242K,M	10KHz/0.3V	2400	±10,±20	47.000	85m
SDS5047-332K,M	10KHz/0.3V	3300	±10,±20	50.000	80m

- 1、 Inductance is measured with a LCR meter:HP4284A & 3532-50 or equivalent.
- 2、 D.C .R is measured with a Digital Multimeter TH2512B or equivalent.
- 3、 Rated Current: The rated current is the current at which the inductance decreases by 25% from the initial value or the temperature rise is ΔT=40°C ,whichever is smaller(Ta=20°C).