

SD75

Inductance Range: 1.2 μ H~1000 μ H
Temperature Range: -40 $^{\circ}$ C~+105 $^{\circ}$ C

DIMENSIONS(mm)



FEATURES:

- ★Quantity / Reel: 1000pcs
- ★High current & low DCR, Round 7.8mm, Height 5.0mm Typ.
- ★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 (μ H)	Tolerance (%)	D.C.R(Ω) Max.	Rated Current(A)
SD75-1R2M	100KHz/0.3V	1.2	±20	15m	7.50
SD75-1R8M	100KHz/0.3V	1.8	±20	20m	6.00
SD75-2R2M	100KHz/0.3V	2.2	±20	23m	5.30
SD75-3R3M	100KHz/0.3V	3.3	±20	28m	4.50
SD75-4R7M	100KHz/0.3V	4.7	±20	45m	4.00
SD75-5R6M	100KHz/0.3V	5.6	±20	48m	3.60
SD75-6R8M	100KHz/0.3V	6.8	±20	58m	3.20
SD75-8R2M	100KHz/0.3V	8.2	±20	70m	2.80
SD75-100K,M	1KHz/0.3V	10	±10,±20	70m	2.30
SD75-150K,M	1KHz/0.3V	15	±10,±20	90m	1.80
SD75-180K,M	1KHz/0.3V	18	±10,±20	100m	1.60
SD75-220K,M	1KHz/0.3V	22	±10,±20	110m	1.50
SD75-270K,M	1KHz/0.3V	27	±10,±20	120m	1.30
SD75-330K,M	1KHz/0.3V	33	±10,±20	130m	1.20
SD75-390K,M	1KHz/0.3V	39	±10,±20	0.160	1.10
SD75-470K,M	1KHz/0.3V	47	±10,±20	0.180	1.10
SD75-560K,M	1KHz/0.3V	56	±10,±20	0.240	0.94
SD75-680K,M	1KHz/0.3V	68	±10,±20	0.280	0.85
SD75-820K,M	1KHz/0.3V	82	±10,±20	0.370	0.78
SD75-101K,M	1KHz/0.3V	100	±10,±20	0.430	0.72
SD75-151K,M	1KHz/0.3V	150	±10,±20	0.640	0.58
SD75-181K,M	1KHz/0.3V	180	±10,±20	0.710	0.51
SD75-221K,M	1KHz/0.3V	220	±10,±20	0.960	0.49
SD75-271K,M	1KHz/0.3V	270	±10,±20	1.110	0.42
SD75-391K,M	1KHz/0.3V	390	±10,±20	1.770	0.36
SD75-471K,M	1KHz/0.3V	470	±10,±20	1.960	0.34
SD75-681K,M	1KHz/0.3V	680	±10,±20	2.480	0.30
SD75-821K,M	1KHz/0.3V	820	±10,±20	3.400	0.30
SD75-102K,M	1KHz/0.3V	1000	±10,±20	5.000	0.17

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 $\Delta T=40^{\circ}$ C ,whichever is smaller($T_a=20^{\circ}$ C).