

**HIGH CURRENT
HIGH INDUCTANCE VALUE
MOLDED SMD RF INDUCTOR
SERIES SDD**

FEATURES

- Highest inductance value per volume
- Highest current rating in RF area with surface mount type
- Meet most of MIL spec and similar to thru hole devices series DD conformal coated items.
- Sturdy construction
- Excellent for flow and reflow soldering

ELECTRICAL CHARACTERISTICS

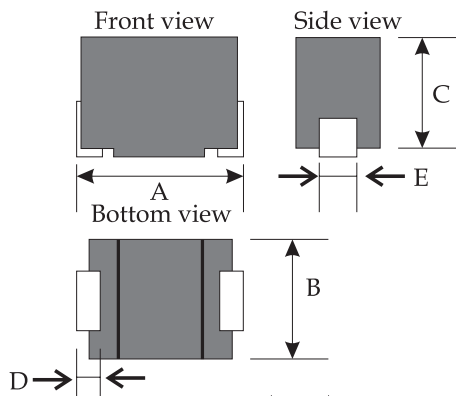
- Inductance range 1.0 μ H to 22000 μ H
- Tolerance \pm 15% over entire range
- Rated current Obtained when Lo changes within \pm 15% typical
- Saturation current Obtained when Lo changes above 25%
- Test frequency 1 KHz
- Test equipment Quadtech 1750 LCR Meter or HP-4284A

PHYSICAL CHARACTERISTICS

- Operating temp. -55°C to +125°C
- Terminal Flat tinned copper
- Resistance to solvents Conforms to MIL-STD-202
- Construction Molded
- Marking Part number
- Packaging 500 pieces / reel

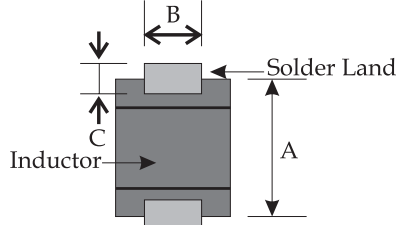
DIMENSIONS IN INCHES

- Length A 0.49" to 0.52"
- Width B 0.23" to 0.25"
- Height C 0.21" to 0.23"
- Terminal length D 0.05" minimum
- Terminal width E 0.055" to 0.095"



LAND PATTERN

- A = 0.440"
- B = 0.165"
- C = 0.130"



SPECIFICATIONS

PART NUMBER	L (μ H)	DCR Max (Ω)	RATED CURRENT (Amps)	SATURATION CURRENT (Amps)
SDD-1R0K	1.0	0.013	5.5	7.0
SDD-1R2K	1.2	0.018	4.7	6.75
SDD-1R5K	1.5	0.020	4.5	6.50
SDD-1R8K	1.8	0.021	4.34	6.0
SDD-2R2K	2.2	0.029	3.70	5.80
SDD-2R7K	2.7	0.034	3.41	5.70
SDD-3R3K	3.3	0.038	3.23	5.60
SDD-3R9K	3.9	0.042	3.07	5.50
SDD-4R7K	4.7	0.047	2.90	4.60
SDD-5R6K	5.6	0.051	2.79	4.30
SDD-6R8K	6.8	0.058	2.61	4.25
SDD-8R2K	8.2	0.063	2.51	3.50
SDD-100K	10.0	0.071	2.36	3.20
SDD-120K	12	0.079	2.24	3.00
SDD-150K	15	0.089	2.11	2.90
SDD-180K	18	0.119	1.82	2.70
SDD-220K	22	0.152	1.61	2.50
SDD-270K	27	0.179	1.48	2.30
SDD-330K	33	0.222	1.33	2.10
SDD-390K	39	0.315	1.12	1.80
SDD-470K	47	0.362	1.04	1.50
SDD-560K	56	0.397	1.00	1.30
SDD-680K	68	0.446	0.97	1.20
SDD-820K	82	0.604	0.81	1.00
SDD-101K	100	0.672	0.76	0.97
SDD-121K	120	0.735	0.73	0.90
SDD-151K	150	0.998	0.63	0.80
SDD-181K	180	1.370	0.53	0.75
SDD-221K	220	1.580	0.50	0.70
SDD-271K	270	1.770	0.47	0.63
SDD-331K	330	2.510	0.39	0.50
SDD-391K	390	2.730	0.38	0.45
SDD-471K	470	3.360	0.35	0.42
SDD-561K	560	3.750	0.33	0.40
SDD-681K	680	4.310	0.30	0.38
SDD-821K	820	6.040	0.26	0.35
SDD-102K	1000	6.900	0.24	0.30
SDD-122K	1200	10	0.20	0.29
SDD-152K	1500	12.5	0.18	0.25
SDD-182K	1800	16	0.16	0.22
SDD-222K	2200	20	0.14	0.20
SDD-272K	2700	23	0.13	0.18
SDD-332K	3300	25	0.13	0.16
SDD-392K	3900	33	0.11	0.15
SDD-472K	4700	37	0.103	0.145
SDD-562K	5600	40	0.100	0.135
SDD-682K	6800	62	0.080	0.125
SDD-822K	8200	66	0.077	0.110
SDD-103K	10000	74	0.071	0.100
SDD-123K	12000	93	0.065	0.080
SDD-153K	15000	105	0.061	0.075
SDD-183K	18000	143	0.052	0.070
SDD-223K	22000	160	0.050	0.065