

**SURFACE MOUNT POWER CHOKES**  
**SERIES SD0705**

**FEATURES**

- Small size
- High current capacity with RF frequency response
- Good for auto insertion
- RoHS compliant
- Available in bulk or tape and reel

**ELECTRICAL SPECIFICATIONS**

- Inductance range      10uH to 9000uH
- Test frequency        100 kHz with test level 0.01 V
- Test equipment        Quadtech 1910 L analyzer
- Rated current range    0.03 to 2.30 Amps
- Tolerance                ± 10% and ± 20%
- Rated current         Temperature rise 40°C max.

**PHYSICAL SPECIFICATIONS**

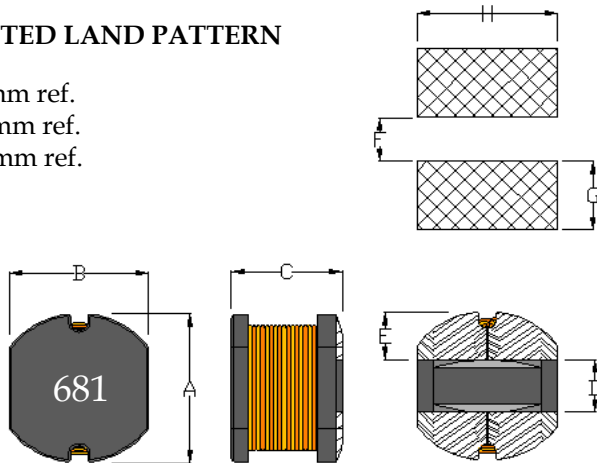
- Operating temp.        -40°C to +125°C
- Core                     Ferrite
- Terminal construction Ag-Ni-Sn electroplated covered with Pb free solder
- Packaging                Bulk 100 pieces per bag  
                                  T & R 1000 pieces per reel
- Tape & reel spec.      Tape 16 mm embossed carrier  
                                  Reel 330 mm reel

**DIMENSIONS IN MILLIMETERS**

- Length A                7.7 ± 0.5
- Width B                7.0 ± 0.5
- Height C                5.0 nominal
- Terminal space D      2.1 nominal
- Terminal length E     2.8 nominal

**SUGGESTED LAND PATTERN**

- F = 2.0 mm ref.
- G = 3.1 mm ref.
- H = 7.3 mm ref.



**SPECIFICATIONS**

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (mA)
SD0705-100K	10	10	0.07	2300
SD0705-120K	12	10	0.08	2000
SD0705-150K	15	10	0.09	1800
SD0705-180K	18	10	0.10	1600
SD0705-220K	22	10	0.11	1500
SD0705-270K	27	10	0.12	1300
SD0705-330K	33	10	0.13	1200
SD0705-390K	39	10	0.16	1100
SD0705-470K	47	10	0.23	950
SD0705-560K	56	10	0.24	940
SD0705-680K	68	10	0.28	850
SD0705-800K	80	10	0.35	780
SD0705-820K	82	10	0.37	780
SD0705-101K	100	10	0.43	720
SD0705-121K	120	10	0.47	660
SD0705-151K	150	10	0.64	580
SD0705-181K	180	10	0.71	510
SD0705-221K	220	10	0.96	490
SD0705-271K	270	10	1.11	420
SD0705-331K	330	10	1.26	400
SD0705-391K	390	10	1.77	360
SD0705-471K	470	10	1.96	340
SD0705-561K	560	10	2.28	320
SD0705-681K	680	10	2.48	300
SD0705-821K	820	10	3.40	300
SD0705-102K	1000	10	4.20	300
SD0705-122K	1200	10	5.00	170
SD0705-152K	1500	10	5.52	160
SD0705-202K	2000	10	7.28	140
SD0705-302K	3000	10	10.0	120
SD0705-532K	5300	10	24.0	90
SD0705-602K	6000	10	18.0	80
SD0705-802K	8000	10	27.0	70
SD0705-882K	8800	10	28.0	40
SD0705-902M	9000	20	36.0	30