



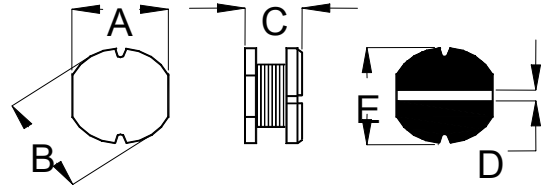
SD105 SMD Power Inductor



Features:

- Low Profile 5.9 mm Max. height.
- Inductance range 0.6 μH ~ 820 μH .
- 500 pcs per reel.

Mechanical Dimmensions (Unit: mm)					
Part Number	A	B	C	D	E
SD105	± 0.4	± 0.4	± 0.5	Ref.	± 0.5
SD105	9.0	10.0	5.4	3.5	10.2



Electrical Specifications				
Part Number	L@ 100Khz (μH)	DCR Max. (Ω)	I _{sat} (Amp)	I _{rms} (Amp)
SD105-R60U	0.6 +40% -20%	0.005	19.80	14.94
SD105-1R0U	1.0 +40% -20%	0.008	15.30	12.70
SD105-1R5MU	1.5 \pm 20%	0.012	13.32	11.05
SD105-2R2MU	2.2 \pm 20%	0.014	11.25	9.34
SD105-3R3MU	3.3 \pm 20%	0.017	9.45	7.85
SD105-4R7MU	4.7 \pm 20%	0.020	8.55	7.10
SD105-5R6MU	5.6 \pm 20%	0.022	7.74	6.43
SD105-6R8MU	6.8 \pm 20%	0.027	7.11	5.90
SD105-8R2MU	8.2 \pm 20%	0.04	6.39	4.68
SD105-100MU	10.0 \pm 20%	0.06	3.15	3.31
SD105-120MU	12.0 \pm 20%	0.07	2.88	3.02
SD105-150LU	15.0 \pm 15%	0.08	2.61	2.74
SD105-180LU	18.0 \pm 15%	0.09	2.25	2.36
SD105-220LU	22.0 \pm 15%	0.10	2.16	2.27
SD105-270LU	27.0 \pm 15%	0.11	2.07	2.17
SD105-330KU	33.0 \pm 10%	0.12	1.89	1.98
SD105-390KU	39.0 \pm 10%	0.14	1.71	1.80
SD105-470KU	47.0 \pm 10%	0.17	1.53	1.61
SD105-560KU	56.0 \pm 10%	0.19	1.44	1.51
SD105-680KU	68.0 \pm 10%	0.22	1.26	1.32
SD105-820KU	82.0 \pm 10%	0.25	1.17	1.23
SD105-101KU	100.0 \pm 10%	0.35	1.08	1.13
SD105-121KU	120.0 \pm 10%	0.40	0.99	1.04
SD105-151KU	150.0 \pm 10%	0.47	0.81	0.85
SD105-181KU	180.0 \pm 10%	0.63	0.72	0.76
SD105-221KU	220.0 \pm 10%	0.73	0.64	0.67
SD105-271KU	270.0 \pm 10%	0.97	0.60	0.62
SD105-331KU	330.0 \pm 10%	1.15	0.55	0.58
SD105-391KU	390.0 \pm 10%	1.30	0.51	0.54
SD105-471KU	470.0 \pm 10%	1.48	0.47	0.49
SD105-561KU	560.0 \pm 10%	1.90	0.41	0.43
SD105-681KU	680.0 \pm 10%	2.25	0.38	0.40
SD105-821KU	820.0 \pm 10%	2.55	0.34	0.36

1. I_{sat}: 10% Inductance roll off.
2. I_{rms}: 40 °C Temperature rise.
3. Operating Temperature: -25 ~130 °C.