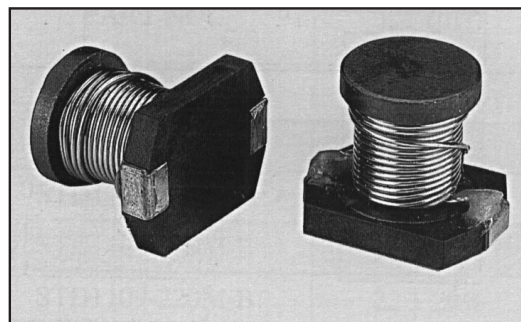


SMD Power Inductor High Current: Open Wound - SSL0804 Series

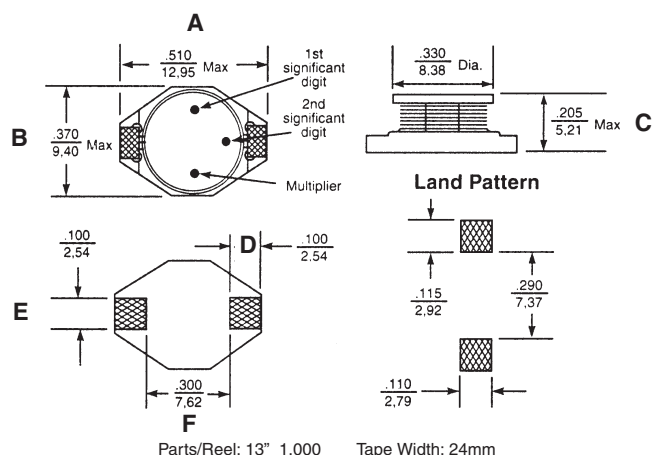
OUTLINE

• The SSL0804 series of surface mount inductors is designed for the smallest possible size, lower cost, and highest performance. Their high energy storage and very low resistance make them the ideal inductors for DC-DC conversion in notebook computers. PDAs, set-up or step-down converters, flash memory programmers, etc.

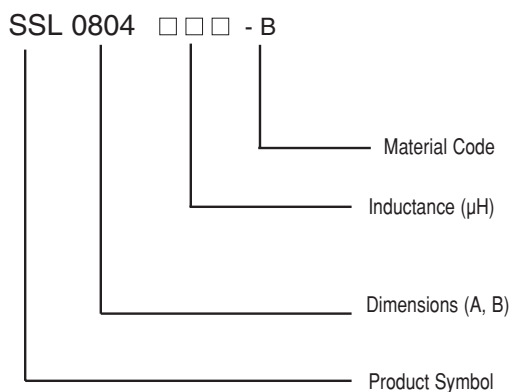
• For reliable surface mounting, we've designed the SSL Series with a flat top and robust temperature deflection to prevent damage during solder reflow.



SHAPES AND DIMENSIONS



PRODUCT IDENTIFICATION



Dimensions in mm

TYPE	A	B	C	D	E	F
SSL0804	12.95+0	9.4+0	5.21+0	2.54	2.54	7.62

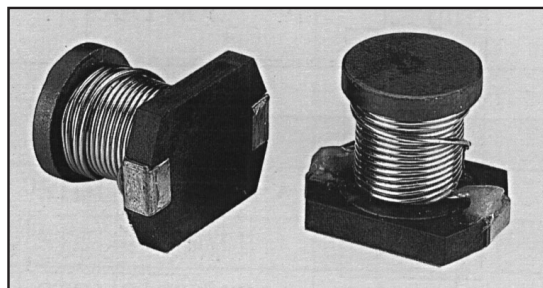
Part Number	Inductance ($\mu\text{H} \pm 20\%$)	DCR ($\Omega \pm 15\%$)	Isat ¹ (A)
SSL0804-1R0M	1.0	.008	9.0
SSL0804-1R5M	1.5	.009	8.0
SSL0804-2R2M	2.2	.010	7.0
SSL0804-3R3M	3.3	.013	6.4
SSL0804-4R7M	4.7	.016	5.4
SSL0804-6R8M	6.8	.019	4.6
SSL0804-100M	10	.025	3.8
SSL0804-150M	15	.040	3.0
SSL0804-220M	22	.050	2.6
SSL0804-330M	33	.088	2.0
SSL0804-470M	47	.12	1.6
SSL0804-680M	68	.16	1.4
SSL0804-101M	100	.23	1.2
SSL0804-151M	150	.33	1.0
SSL0804-221M	220	.53	.8
SSL0804-331M	330	.81	.6
SSL0804-471M	470	1.10	.5
SSL0804-681M	680	1.60	.4
SSL0804-102M	1000	2.15	.3

1. Tested at 100 kHz, 0.1 Vrms.
2. Inductance drop = 10% typical at rated Isat.
3. Operating temperature range -40°C to 85°C.

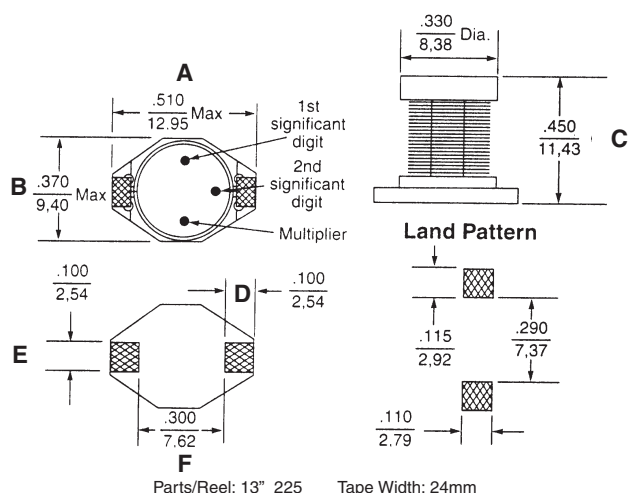
SMD Power Inductor High Current Open Wound - SSL0810 Series

OUTLINE

- These surface mount power inductors provide excellent current carrying capabilities in a small footprint component - up to 3.5 Arms with an 8 Adc saturation current rating for a 10μH part.
- These parts were engineered from the start for reliable surface mounting. They have a flat top and robust temperature deflection to prevent damage during solder reflow.
- In addition to the standard versions shown here custom inductors are available to meet your exact requirements.



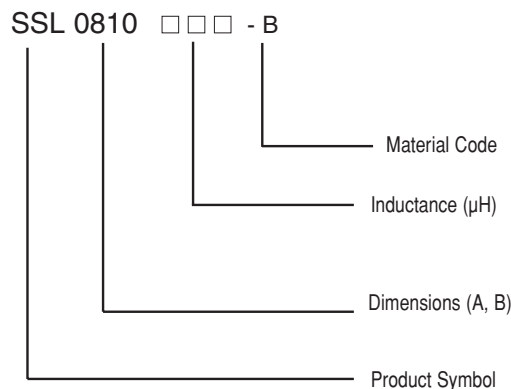
SHAPES AND DIMENSIONS



Dimensions in mm

TYPE	A	B	C	D	E	F
SSL0810	12.95±0	9.4±0	11.43±0	2.54	2.54	7.62

PRODUCT IDENTIFICATION



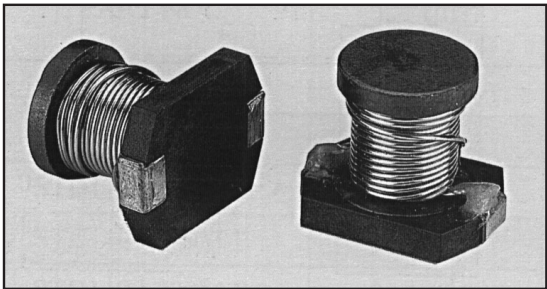
Part Number	Inductance (μH±20%)	DCR (Ω*0)	Isat ² (A)
SSL0810-100M-S	10	.033	8.0
SSL0810-150M-S	15	.042	7.0
SSL0810-220M-S	22	.054	5.5
SSL0810-330M-S	33	.080	4.0
SSL0810-470M-S	47	.10	3.8
SSL0810-680M-S	68	.17	3.0
SSL0810-101M-S	100	.22	2.5
SSL0810-151M-S	150	.34	2.0
SSL0810-221M-S	220	.44	1.6
SSL0810-331M-S	330	.70	1.2
SSL0810-471M-S	470	.95	1.0
SSL0810-681M-S	680	1.2	1.0
SSL0810-102M-S	1000	2.0	0.8

1. Tested at 100 kHz, 0.1 Vrms.
2. Inductance drop = 10% typical at rated Isat.
3. Operating temperature range -40°C to 85°C.

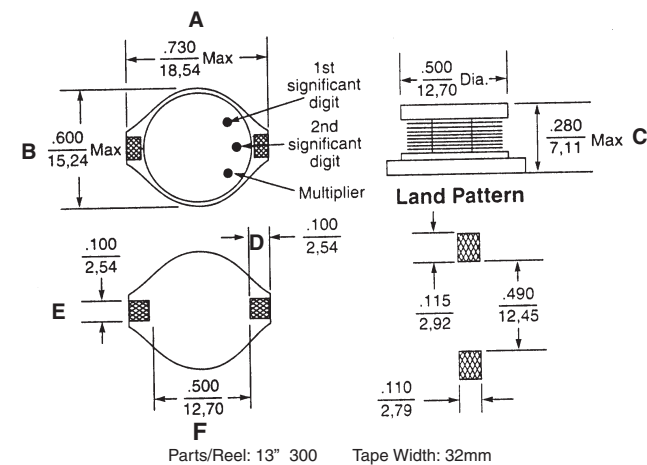
SMD Power Inductor High Current Open Wound - SSL1306 Series

OUTLINE

- This series of surface mount power inductors is designed for the higher current requirements of the Pentium Pro and other portable and handheld devices.
- A 1µH inductor is rated at 8.6 Arms with a saturation current of 20 Amps. Exceptionally low dc resistance (as low as .011Ω) keeps power losses to a minimum.
- The SSL1306T Series was designed specifically for surface mounting. It has a flat top for reliable pick and place operations and features robust temperature deflection.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

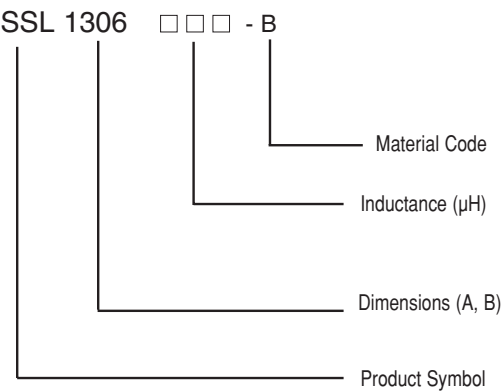


SHAPES AND DIMENSIONS



Dimensions in mm						
TYPE	A	B	C	D	E	F
SSL1306	18.54+0	15.24+0	7.11+0	2.54	2.54	12.7

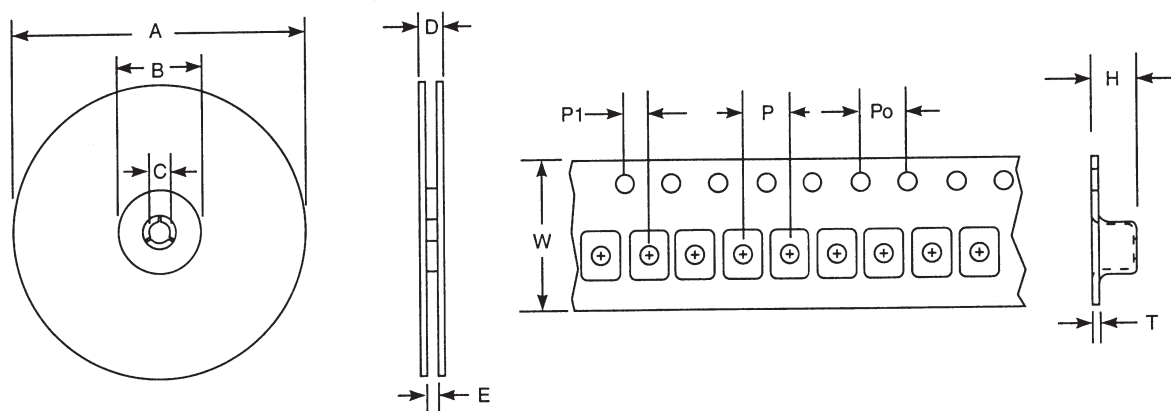
PRODUCT IDENTIFICATION



Part Number	Inductance (µH±20%)	DCR (Ω±15%)	Isat ² (A)	Irms ³ (A)
SSL1306-1R0M-S	1.0	.011	20	8.6
SSL1306-2R2M-S	2.2	.014	16	7.1
SSL1306-3R3M-S	3.3	.016	14	6.2
SSL1306-5R6M-S	5.6	.022	12	5.3
SSL1306-100M-S	10	.032	10	4.3
SSL1306-150M-S	15	.036	8.0	4.0
SSL1306-220M-S	22	.047	7.0	3.5
SSL1306-330M-S	33	.066	5.5	3.0
SSL1306-470M-S	47	.087	4.5	2.6
SSL1306-680M-S	68	.13	3.5	2.3
SSL1306-101M-S	100	.19	3.0	1.8
SSL1306-151M-S	150	.25	2.6	1.5
SSL1306-221M-S	220	.38	2.4	1.2
SSL1306-331M-S	330	.56	1.9	1.0
SSL1306-471M-S	470	.85	1.4	0.82
SSL1306-681M-S	680	1.2	1.2	0.72
SSL1306-102M-S	1000	1.8	1.0	0.56

1. Tested at 100 kHz, 0.1 Vrms.
2. Inductance drop = 10% typical at rated Isat.
3. ΔT=40°C typical at Irms.
4. Operating temperature range -40°C to 85°C.

SMD Power Inductors High Current Open Wound - Tape and Reel Specifications For SSL0804, SSL0810, and SSL1306 Series



REEL DIMENSIONS

Dimensions in mm

TYPE	A	B	C	D	E
SSL0804	330	100	13	30,4	24,4
SSL0810	330	100	13	30,4	24,4
SSL1306	330	100	13	38,4	32,4

TAPE DIMENSIONS

Dimensions in mm

TYPE	W	P	Po	P1	H	T
SSL0804	24	12	4	2	5,1	0,30
SSL0810	24	24	4	2	11,4	0,30
SSL1306	32	24	4	2	7,4	0,30

PARTS PER REEL

TYPE	13"
SSL0804	1000
SSL0810	225
SSL1306	300