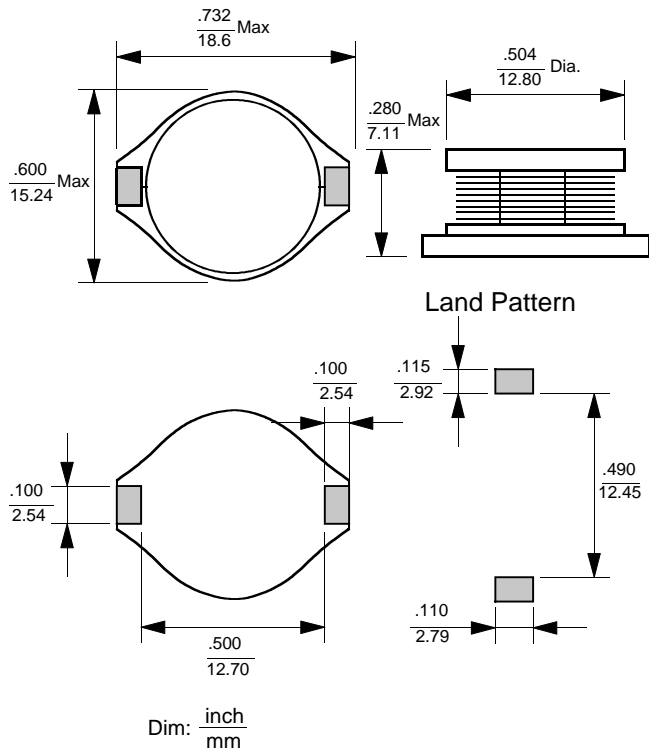


# SMT Power Inductors - SD187 Series

## Special Features

- High energy storage capacity
- High heat resistance, ideal for reflow soldering
- Low DC resistance
- High reliability, efficiency
- Compact size
- Operating temperature -40 to +85 °C
- Saturation DC current to cause maximum 10% of inductance drop
- Test frequency 100KHz @1.0Vrms
- Rms current to cause 40°C max. temperature rise
- Tape & reel packaged 450/reel



## Electrical Characteristics

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ )	DCR max. ( $\Omega$ )	SRF(Typ) (MHz)	Isat (A)	Irms (A)
SD187-R82M	0.82	.009	150	20	10.6
SD187-2R2M	2.2	.014	90	16	8.5
SD187-3R3M	3.3	.018	57	14	7.5
SD187-5R6M	5.6	.022	30	12	6.5
SD187-100M	10	.031	20	10	5.2
SD187-150M	15	.036	16	8.0	4.4
SD187-220M	22	.047	12	7.0	3.7
SD187-330M	33	.066	10	5.5	3.1
SD187-470M	47	.086	8.4	4.5	2.6
SD187-680M	68	.13	6.7	3.5	2.3
SD187-101M	100	.19	5.5	3.0	1.8
SD187-151M	150	.25	4.3	2.6	1.5
SD187-221M	220	.38	3.7	2.4	1.2
SD187-331M	330	.56	2.8	1.9	1.0
SD187-471M	470	.85	2.4	1.4	0.82
SD187-681M	680	1.2	2.0	1.2	0.72
SD187-102M	1000	1.8	1.6	1.0	0.56

\* All specifications are subject to change without notice.