

**SURFACE MOUNT
VERY HIGH CURRENT POWER INDUCTOR
SERIES STH-18**

FEATURES

- Very high performance to size ratio
- Low EMI, Self shielding
- Sturdy construction

ELECTRICAL SPECIFICATIONS

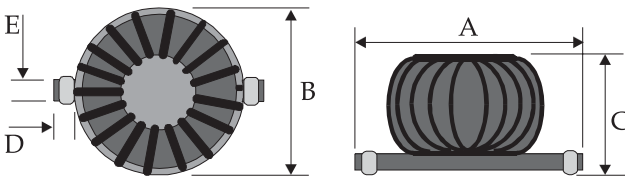
- Inductance range 0.35uH to 1000uH with $\pm 10\%$ tolerance
- Test frequency 100KHz @ 0.1V test level
- Test equipment Quadtech 1750 LCR Meter
- Rated current Determined when coil has temperature rise up to 30°C

PHYSICAL SPECIFICATIONS

- Operating temperature -55°C to +125°C
- Core MPP
- Base Plastic with UL94V-0 safety rating
- Terminal Self leads
- Packaging Bulk 100 pieces per bag
 T & R Available on high volume orders

DIMENSIONS IN INCHES

- Total length A 1.10" max.
- Diameter B 0.76" max.
- Total height C 0.55" max.
- Lead width D 0.10" nom.
- Lead length E 0.15" nom.



SPECIFICATIONS

Part Number	L (μH)	Tol % ±	DCR max (Ω)	Rated Current (A)
STH18-R35K	.35	10	0.0009	38
STH18-R75K	.75	10	0.0012	25
STH18-1R5K	1.5	10	0.0015	19
STH18-2R2K	2.2	10	0.0018	15
STH18-3R3K	3.3	10	0.0021	13
STH18-4R7K	4.7	10	0.0024	11
STH18-5R6K	5.6	10	0.0072	10
STH18-7R1K	7.1	10	0.0085	8.5
STH18-8R2K	8.2	10	0.0091	7.5
STH18-100K	10	10	0.0110	6.8
STH18-120K	12	10	0.0120	6.3
STH18-150K	15	10	0.0160	5.8
STH18-200K	20	10	0.0240	5.0
STH18-500K	50	10	0.0770	3.0
STH18-750K	75	10	0.0880	2.5
STH18-101K	100	10	0.1100	2.2
STH18-201K	200	10	0.2400	1.5
STH18-501K	500	10	0.2700	1.0
STH18-102K	1000	10	0.7200	0.7

SUGGESTED LAND PATTERN

