



POWER INDUCTORS

MODEL NO : TUI-060085 SERIES

Features :

- * Through-hole version.
- * High power and low cost.
- * Compliant with RoHS and REACH.



Application :

- * DC/DC converter in power regulation system.

Electrical Specification :

PART NO	INDUCTANCE (uH)±20%	DCR MAX (Ω)	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)	SELF RESONANT FREQUENCY (MHZ) TYP
TUI-060085-1R0	1.0	0.015	8.50	8.00	140
TUI-060085-2R2	2.2	0.020	6.30	4.30	65
TUI-060085-3R3	3.3	0.025	4.70	4.00	48
TUI-060085-4R7	4.7	0.030	4.20	3.70	40
TUI-060085-6R8	6.8	0.034	3.30	3.00	32
TUI-060085-100	10	0.080	2.50	2.60	28
TUI-060085-220	22	0.130	1.80	1.70	15
TUI-060085-330	33	0.220	1.40	1.40	14
TUI-060085-470	47	0.340	1.18	1.20	10.6
TUI-060085-680	68	0.400	0.80	1.00	7.5
TUI-060085-820	82	0.470	0.80	0.90	7.2
TUI-060085-101	100	0.550	0.80	0.80	7.1
TUI-060085-221	220	1.2	0.50	0.50	4.2
TUI-060085-471	470	2.4	0.35	0.40	2.9
TUI-060085-681	680	3.7	0.25	0.30	2.4
TUI-060085-102	1000	6.0	0.25	0.27	1.8
TUI-060085-152	1500	8.0	0.19	0.20	1.4
TUI-060085-222	2200	11.8	0.16	0.18	1.2

NOTE(1): Test frequency: 1 KHZ , 0.25VRMS.

NOTE(2): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.

NOTE(3): The saturation current indicates the value of DC current is approximately 10% lower than its initial value of inductance.

NOTE(4): Operating temperature range: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$.NOTE(5): Ambient temperature range: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$.

NOTE(6): Storage time :The recommended storage time of Inductor is maximum 12 months, and don't suggest to use the parts over 12 months.

Physical Dimension: (unit: mm)

