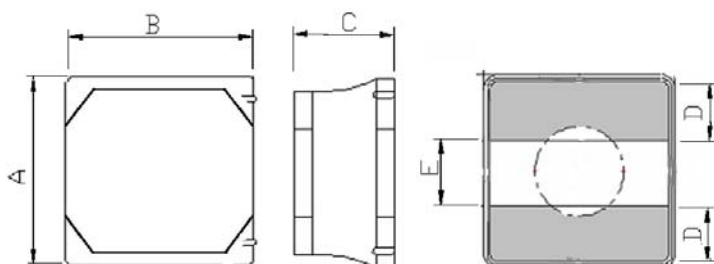


1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating temperature :-40~+125°C (Including self - temperature rise)

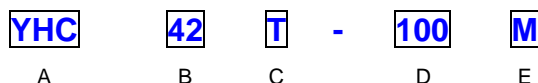


2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
YHC42T	4.0±0.2	4.0±0.2	1.2 max.	1.2 ref.	1.6 ref.

3. Part Numbering



- A: Series
 B: Dimension
 C: Lead Free
 D: Inductance 100=10uH
 E: Inductance Tolerance M=±20% ; Y=±30%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A)typ.	I sat (A)Max.	I rms (A)typ.	I rms (A)Max.
YHC42T-1R0Y	1.0	±30%	1V100K	0.042	3.30	2.80	2.50	2.20
YHC42T-2R2M	2.2	±20%	1V100K	0.060	1.95	1.65	2.20	1.90
YHC42T-3R3M	3.3	±20%	1V100K	0.070	1.60	1.40	1.90	1.70
YHC42T-4R7M	4.7	±20%	1V100K	0.095	1.40	1.20	1.70	1.50
YHC42T-6R8M	6.8	±20%	1V100K	0.125	1.10	0.90	1.50	1.30
YHC42T-100M	10	±20%	1V100K	0.180	1.00	0.80	1.30	1.10
YHC42T-150M	15	±20%	1V100K	0.260	0.80	0.65	0.95	0.75
YHC42T-220M	22	±20%	1V100K	0.400	0.60	0.50	0.72	0.62

Note:

Isat : Saturation Current (Isat) will cause L0 to drop approximately 30%.

Irms : Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C