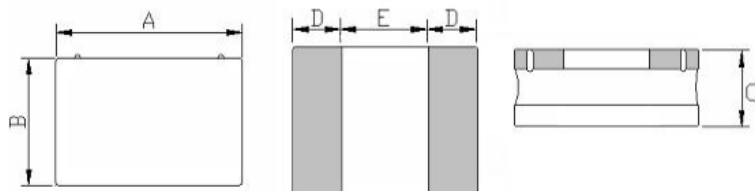


1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. High reliability -Reliability tests comply with AEC-Q200.
4. Operating temperature-55~+125°C (Including self - temperature rise)



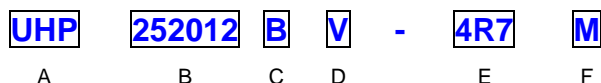
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
UHP252012BV	2.5 -0.1/+0.2	2.0 -0.1/+0.2	1.2 max.	0.85 ref.	0.80 ref.

Units: mm

3. Part Numbering



A: Series

B: Dimension

C: Lead Free

D: Category Code

E: Inductance

F: Inductance Tolerance

Material

V=Vehicle

4R7=4.7uH

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.
UHP252012BV-R47Y	0.47	±30%	0.1V/1M	0.028	4.00	3.60	3.70	3.35
UHP252012 BV-R68Y	0.68	±30%	0.1V/1M	0.036	3.00	2.70	3.30	3.00
UHP252012 BV-1R0Y	1.0	±30%	0.1V/1M	0.049	2.70	2.45	2.60	2.30
UHP252012 BV-1R5Y	1.5	±30%	0.1V/1M	0.063	2.30	2.05	2.20	1.95
UHP252012 BV-2R2M	2.2	±20%	0.1V/1M	0.080	2.15	1.95	1.85	1.65
UHP252012 BV-3R3M	3.3	±20%	0.1V/1M	0.120	1.70	1.50	1.45	1.30
UHP252012 BV-4R7M	4.7	±20%	0.1V/1M	0.176	1.50	1.35	1.20	1.05
UHP252012 BV-6R8M	6.8	±20%	0.1V/1M	0.250	1.15	1.00	1.00	0.90
UHP252012 BV-100M	10	±20%	0.1V/1M	0.410	0.85	0.75	0.75	0.65
UHP252012 BV-150M	15	±20%	0.1V/1M	0.540	0.63	0.56	0.60	0.54
UHP252012 BV-220M	22	±20%	0.1V/1M	0.850	0.56	0.50	0.50	0.45

Note:

I_{sat} : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°CI_{rms} : Based on temperature rise (ΔT : 40°C.) Max

