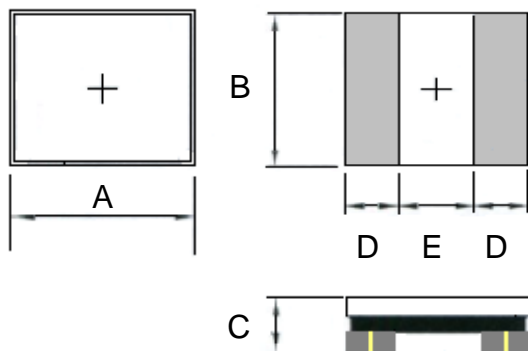


1. Features

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)



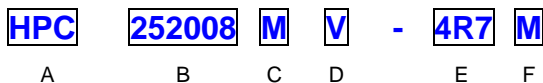
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
HPC252008MV	2.50-0.1/+0.3	2.0-0.05/+0.35	0.80 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%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
HPC252008MV-R47M	0.47	±20%	0.1V/1M	0.080	0.096	2.50	2.20	1.45	1.25
HPC252008MV-R68M	0.68	±20%	0.1V/1M	0.100	0.120	2.05	1.80	1.35	1.15
HPC252008MV-1R0M	1.0	±20%	0.1V/1M	0.120	0.145	1.75	1.50	1.20	1.05
HPC252008MV-1R5M	1.5	±20%	0.1V/1M	0.170	0.200	1.65	1.45	1.05	0.95
HPC252008MV-2R2M	2.2	±20%	0.1V/1M	0.210	0.250	1.40	1.20	0.95	0.85
HPC252008MV-3R3M	3.3	±20%	0.1V/1M	0.300	0.360	1.10	0.95	0.85	0.75
HPC252008MV-4R7M	4.7	±20%	0.1V/1M	0.400	0.480	0.90	0.80	0.70	0.63
HPC252008MV-6R8M	6.8	±20%	0.1V/1M	0.670	0.800	0.75	0.65	0.55	0.50
HPC252008MV-100M	10.0	±20%	0.1V/1M	0.930	1.110	0.55	0.50	0.45	0.41

Note:

I_{sat} : Based on inductance change (ΔL/L0 : ≤30%) @ ambient temp. 25°C

I_{rms} : Based on temperature rise (ΔT : 40°C.) MAX

