

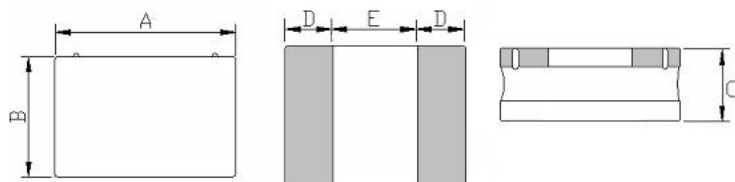
Power Inductor

HPC252008MF-SERIES

1. Features

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

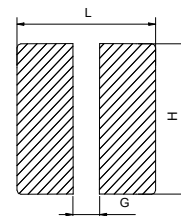
2. Dimension



A	B	C	D	E
2.50-0.1/+0.3	2.0-0.05/+0.35	0.80 max	0.85 ref	0.80 ref

Unit:mm

Recommended PC Board Pattern



L	G	H
2.7	0.8	2.2

3. Part Numbering

HPC **252008** **MF** - **4R7** **M**

A

B

C

D

E

A: Series

B: Dimension

C: Lead Free

D: Inductance

E: Inductance Tolerance

Material

4R7=4.70uH

K=±10%, L=±15%, M=±20%, Y=±30%.

4. Specification

Part Number	Inductance (uH) ±20% @ 0 A DC	Test Frequency (Hz)	I rms (A)		I sat (A)		DCR (Ω)	
			Typ	Max	Typ	Max	Typ	Max
HPC252008MF-R47M	0.47	0.1V/1M	1.45	1.25	2.50	2.20	0.080	0.096
HPC252008MF-R68M	0.68	0.1V/1M	1.35	1.15	2.05	1.80	0.100	0.120
HPC252008MF-1R0M	1.00	0.1V/1M	1.20	1.05	1.75	1.50	0.120	0.145
HPC252008MF-1R5M	1.50	0.1V/1M	1.05	0.95	1.65	1.45	0.170	0.200
HPC252008MF-2R2M	2.20	0.1V/1M	0.95	0.85	1.40	1.20	0.210	0.250
HPC252008MF-3R3M	3.30	0.1V/1M	0.85	0.75	1.10	0.95	0.300	0.360
HPC252008MF-4R7M	4.70	0.1V/1M	0.70	0.63	0.90	0.80	0.400	0.480
HPC252008MF-6R8M	6.80	0.1V/1M	0.55	0.50	0.75	0.65	0.670	0.800
HPC252008MF-100M	10.0	0.1V/1M	0.45	0.41	0.55	0.50	0.930	1.110

Note:

1. Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40℃.
2. Saturation Current (Isat) will cause L0 to drop approximately 30%.
3. Rated DC current: The lower value of Irms and Isat.

10. Typical Performance Curves

