



Sealed Power Inductor

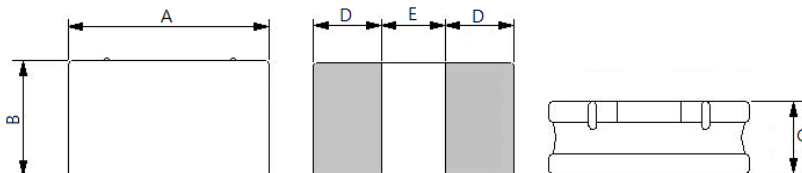
GHP201208RA-SERIES

1. Features

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



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
GHP201208RA	2.0±0.2	1.2±0.2	0.80Max	0.50 ref.	1.00 ref.

3. Part Numbering

GHP **201208** **RA** - **2R2** **M**

A B C D E

A: Series

B: Dimension

C: Lead Free

Material

D: Inductance

2R2=2.2uH

E: Inductance Tolerance

M=±20%

4. Specification

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A)	I rms (A)
GHP201208RA-R24M	0.24	±20	1V/1M	0.036	0.043	4.50	3.50
GHP201208RA-R47M	0.47	±20	1V/1M	0.060	0.072	3.50	2.50
GHP201208RA-R68M	0.68	±20	1V/1M	0.130	0.156	3.00	1.80
GHP201208RA-1R0M	1.00	±20	1V/1M	0.170	0.204	2.50	1.70
GHP201208RA-1R5M	1.50	±20	1V/1M	0.260	0.312	2.20	1.30
GHP201208RA-2R2M	2.20	±20	1V/1M	0.400	0.480	1.50	1.00
GHP201208RA-3R3M	3.30	±20	1V/1M	0.480	0.576	1.20	0.90
GHP201208RA-4R7M	4.70	±20	1V/1M	0.800	0.960	1.10	0.70
GHP201208RA-6R8M	6.80	±20	1V/1M	1.200	1.440	0.90	0.60
GHP201208RA-100M	10.0	±20	1V/1M	1.800	2.160	0.70	0.45

Note:

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

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

Measurement board data

Irms

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 30 mm (Double side board)

Pattern thickness : 50 μm



9. Typical Performance Curves

