



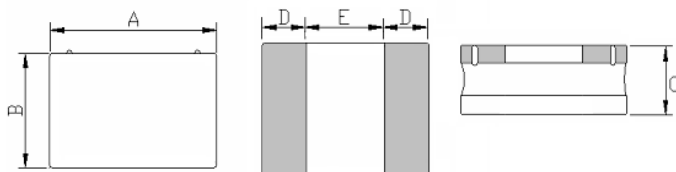
Sealed Power Inductor

GFP201612NF-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)
GFP201612NF	2.0 -0.1/+0.2	1.6 -0.1/+0.2	1.20Max.	0.60 ref.	0.80 ref.

3. Part Numbering

GFP **201612** **NF** - **R24** **M**
 A B C D E

A: Series

B: Dimension

C: Lead Free

Material

D: Inductance

R24=0.24uH

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)
GFP201612NF-R24M	0.24	±20%	0.1V/1M	0.025	0.033	5.40	4.00
GFP201612NF-R33M	0.33	±20%	0.1V/1M	0.027	0.034	4.70	3.90
GFP201612NF-R47M	0.47	±20%	0.1V/1M	0.035	0.046	3.90	3.30
GFP201612NF-R56M	0.56	±20%	0.1V/1M	0.053	0.064	3.50	3.00
GFP201612NF-R68M	0.68	±20%	0.1V/1M	0.055	0.066	3.30	3.00
GFP201612NF-1R0M	1.00	±20%	0.1V/1M	0.080	0.104	3.00	2.70
GFP201612NF-1R2M	1.20	±20%	0.1V/1M	0.088	0.106	3.00	2.70
GFP201612NF-1R5M	1.50	±20%	0.1V/1M	0.090	0.108	2.50	2.10
GFP201612NF-2R2M	2.20	±20%	0.1V/1M	0.155	0.186	2.00	1.50

Note:

I_{sat} : Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

I_{rms} : Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C



9. Typical Performance Curves

