



Power Inductor

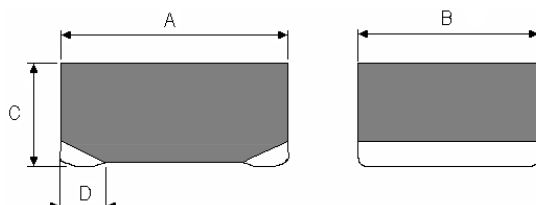
GWP252010UF-Series

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. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
252010	2.5±0.2	2.0±0.2	1.0 max.	0.5±0.3

3. Part Numbering

GWP **252010** **UF** - **1R0** **M**

A B C D E

A: Series

B: Dimension

C: Material

D: Inductance

E: Inductance Tolerance

1R0=1.0uH

M=±20%

4. Specification

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)	I rms (A)
			max.	typ.		
GWP252010UF-R24Y	0.24±30%	1V/1M	0.021	0.018	8.0	5.1
GWP252010UF-R33M	0.33±20%	1V/1M	0.028	0.023	6.0	4.4
GWP252010UF-R47M	0.47±20%	1V/1M	0.032	0.026	5.5	4.0
GWP252010UF-R68M	0.68±20%	1V/1M	0.043	0.035	4.7	3.7
GWP252010UF-1R0M	1.00±20%	1V/1M	0.064	0.051	4.0	3.3
GWP252010UF-1R5M	1.50±20%	1V/1M	0.091	0.076	3.2	2.5
GWP252010UF-2R2M	2.20±20%	1V/1M	0.124	0.104	2.6	2.1

Note:

1. Isat : Based on inductance change (approximately 30% below in the initial value)
2. Irms : Based on temperature rise (ΔT : 40℃ typ.)
3. All test data referenced to 25℃ ambient.



5. Typical Performance Curves

