



**THE DATASHEET OF  
L201219-202MHF**

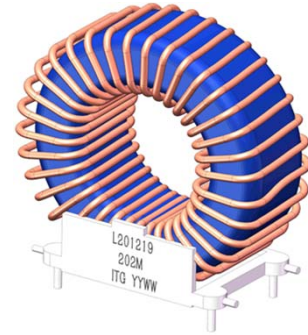


# L201219-xxx Series



## 1. Features of L201219-xxx Series :

- Alloy Powder based DIP Inductor with lower core loss.
- Single wire wound and Very compact design.
- Inductance Range: 0.0402mH to 11.36mH. Custom values are welcomed.
- Lower core loss, lower distributed capacitance.
- Coil mount on UL94-V0 rated plastic header.
- Fixed pin spacing allow easy PCB insertion.
- Operating Temperature Range -55°C to + 130°C , RoHs & HF compliance.



## 2. Mechanical Dimension(Unit:mm):

A	B	C	E	E1	E2	F	G	Fig
Max.	Max.	± 1.00	± 0.80	± 0.40	± 0.40	± 0.10	Max.	
34.50	17.00	5.00	14.40	/	/	2.00	32.00	1
33.50	20.00	5.00	/	10.16	20.32	Φ1.27	37.50	2

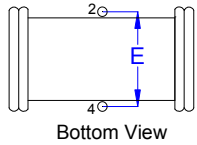
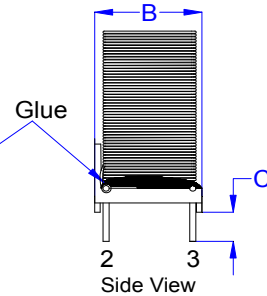
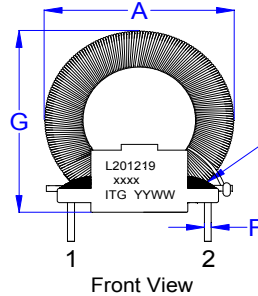
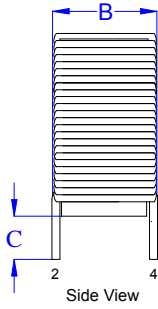
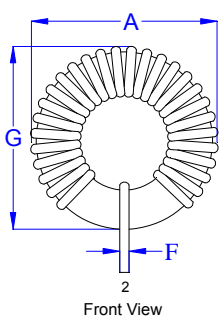
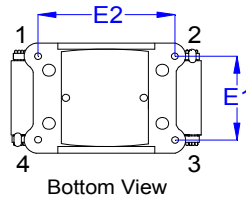
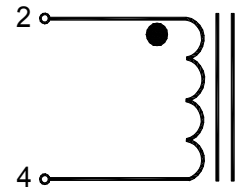


Fig 1



Part Marking:  
L201219: Series Name.  
xxx x: xxx is inductance value in uH(R:decimal point).  
x is tolerance  
ITGYYWW: ITG is Company Name , YYWW is Date Code.

Fig 2



SCHEMATIC DIAGRAM

## 3. Electrical Characteristic of L201219-xxx Series :

ITG Part Number	OCL <sup>1</sup> (mH) ± 20%	DCR (mΩ) Typ.	DCR <sup>2</sup> (mΩ) Max.	Isat <sup>3</sup> (A) @25°C	L@Isat (mH) Typ.	I <sub>rms</sub> <sup>4</sup> (A) @25°C	L@I <sub>rms</sub> (mH) Typ.	Fig
L201219-400MHF	0.0402	3.95	4.80	15.00	0.02782	24.00	0.01990	1
L201219-630MHF	0.0628	7.30	9.10	12.00	0.04378	17.00	0.03427	2
L201219-251MHF	0.2512	22.20	28.00	6.00	0.17400	9.00	0.13135	2
L201219-831MHF	0.8367	66.50	80.00	3.30	0.58509	5.20	0.40724	2
L201219-202MHF	1.9700	162.85	195.00	2.10	1.35313	3.30	0.98450	2
L201219-113MHF	11.3600	1030.00	1250.00	0.88	7.92792	1.20	6.22191	2

### Note:

- 1> Open Circuit Inductance (OCL) test condition: 10KHz , 0.25Vrms , 0Adc.
- 2> The nominal DCR is measured from PIN2 to PIN4 , as shown above on the mechanical drawing (Ta=25°C).
- 3> Isat: DC current that will cause inductance to drop approximately by 35% (Ta=25°C).
- 4> I<sub>rms</sub>: DC current for temperature rise of 40°C(Typ.) without core loss.
- 5> Storage conditions: -40°C~85°C , 75%RH (Max.).

## Looking for pricing, stock, or lifecycle information?

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