

1. Features of L201316 Series :

- Alloy powder based DIP Inductor with lower core loss.
- No thermal aging concerns.
- Inductance Range: 0.96uH to 11.6 uH , custom values are welcomed.
- High current output chokes, up to 100.0 Amp with approx. 30% roll off.
- For high performance switch mode power converters.
- Foot Print 33.0×15.5mm / 17.0mm / 19.0mm / 32mm max. , 30.5mm max. Height.
- Operating Temperature Range: -55°C to + 150°C.
- RoHS & HF compliant.

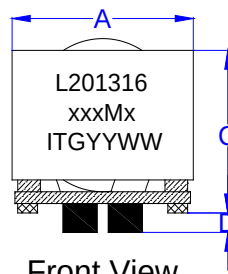


2. Electrical Characteristics of L201316 Series:

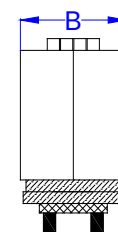
ITG Part Number	OCL ¹	DCR	Isat ²	L@Isat	Irms ³	L@Irms	Dim. B	Dim. E1	Dim. H	Dim. I
	(uH)	(mΩ)	(A)	(uH)	(A)	(uH)	(mm)	(mm)	(mm)	(mm)
	± 20%	Max. @25°C	@25°C	Typ. @25°C	@25°C	Typ. @25°C	Max.	±0.50	Ref.	Nom.
L201316A-R96MHF	0.96	0.25	100.00	0.68	123.00	0.60	15.50	6.50	17.00	6.50
L201316A-2R0MHF	2.00	0.35	75.00	1.43	106.00	1.15	17.00	9.00	18.50	9.00
L201316A-3R3MHF	3.30	0.46	56.00	2.34	95.00	1.68	19.00	11.00	20.50	11.00
L201316D-110MHF	11.60	1.00	75.00	8.3	72.00	10.20	32.00	21.00	33.50	21.00

3. Mechanical Dimension of L201316A Series (Unit:mm):

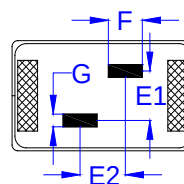
A	B	C	D	E1	E2	F	G	H	I
±1.00	Max.	Max.	±0.50	±0.50	±0.50	±0.20	±0.20	Ref.	Nom.
32.00	See table above	30.50	3.50	See table above	8.00	6.00	2.00	See table above	See table above



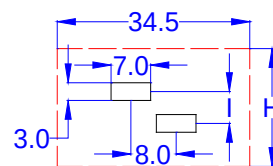
Front View



Side View



Bottom View



Suggested PCB Layout

Notes:

1. Open Circuit Inductance (OCL) and L@Irms and L@Isat are measured at 10KHz, 0.1V@ 25°C.
2. Isat: DC current that causes inductance to drop by approximately 30% from OCL (Ta=25°C).
3. Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C (Ta=25°C).

Third Angle Projection:



4. Inductance vs. Current vs. Temperature Rise Characteristics of L201316 Series :

