

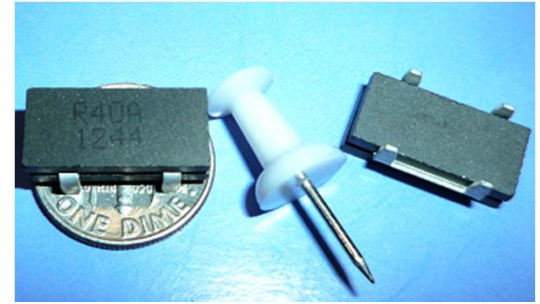


L30956 Series



1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, upto 22.0 Amp with approx. 20% roll off.
- Low Profile 4.80mm Max. height .
- Foot Print 17.00 x 9.80 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 1 MHz application.
- Operating Temperature Range -55°C to + 130°C , RoHs & HF compliance .
- T & R Qtys: 600 pcs , 13" Reel ;

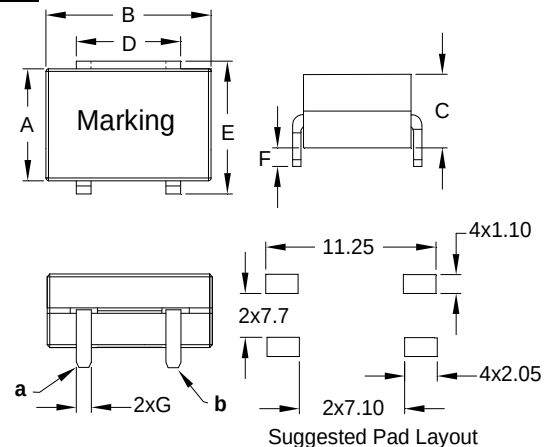


2. Electrical Characteristic of L30956 Series:

Part Number	Inductance (uH) ±15%	DCR (mΩ) Max.	Isat ¹ (A) @25°C	Irms (A) @25°C
L30956	0.400	0.650	22.00	55.00

3. Mechanical Dimension(Unit:mm):

A	B	C	D	E	F	G
Max.	Max.	Max.	Max.	Max.	Min.	Nom.
8.20	17.00	4.80	11.00	9.80	1.65	1.75



Note:

- 1>.Open Circuit Inductan
- 2>.Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ,Isat ;(Ta=25 °C).
- 3>.Isat¹: DC current that will cause inductance to drops approximately by 20% ;
- 4>. Irms: DC current for an approximate temperature rise of 40°C without core loss,.Derating is necessary for AC currents. PCB pad layout,trace thickness and width,air-flow and proximity of other heat generating components will affect the temperature rise. It is recommended the part temperature not exceed 130°C under worst case operating conditions verified in the end application.
- 5>.The nominal DCR is measured from point "a" to point"b",as shown above on the mechanical drawing.

4. Inductance Characteristics (Inductance vs. Current):

