

SMPS Inductor

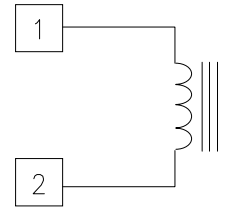
Iron Powder Material (Hydrogen Reduced)

Well Suited for Switch Mode Power Supplies and Regulator Applications.

Toroid Mount Available

Wire UL rated Class B (130°C) or better

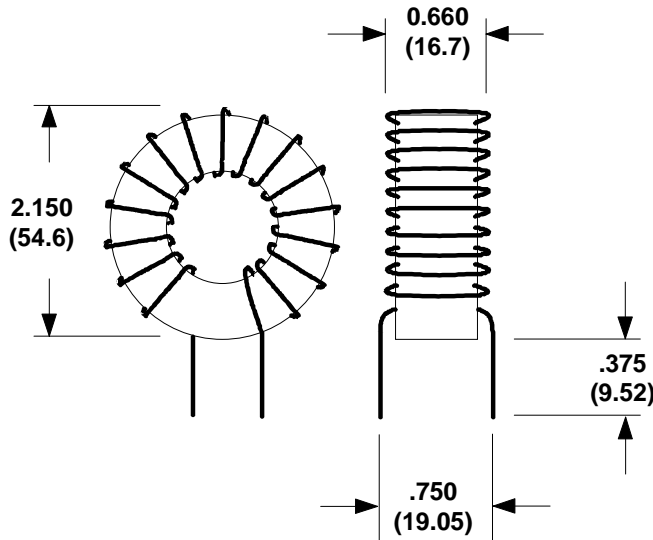
Schematic Diagram



Electrical Specifications at 25°C

Part Number	L (1) (μ H) Typ.	IDC (2) 20% Amps	IDC(3) 50% Amps	I (4) max. Amps	Energy min. (5) (μ J)	DCR Max (m Ω)	Lead Size AWG
L-14436	758.9	2.77	6.60	8.11	2334	172	18

- 1) Typical Inductance with no DC. Tolerance of $\pm 10\%$
 - 2) Current which will produce a 20% reduction in L.
 - 3) Current which will produce a 50% reduction in L.
 - 4) Maximum DC current. This value is for a 40°C temperature rise due to copper loss. with AC flux density kept to 10 gauss or less. (This typically represents a current ripple of less than 1%).
 - 5) Energy storage capability of component in micro joules. value is for 20% reduction in permeability.
- Operating temperature Range -45°C to +85°C



RHOMBUS P/N: L-14436

CUST P/N:

NAME:

DATE: 2/14/97

SHEET: 1 OF 1