

# POWER INDUCTOR



## P1106 SERIES



- Power Inductors for Digital Amplifiers
- Made with flat wire for compact size
- Low radiation noise due to magnetically shielded construction
- Small, low resistance and high current
- Operating Frequency up to 1MHz
- Inductance range from 10 $\mu$ H to 33 $\mu$ H
- Operating Temperature -40°C to +125°C
- RoHS Compliant Product
- Custom Design Available

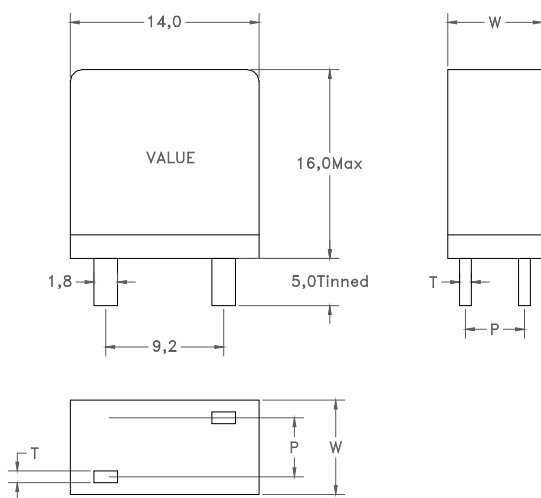
### ELECTRICAL PARAMETERS @ 25°C

Part Number	L ( $\mu$ H) $\pm 20\%$	DCR (m $\Omega$ ) MAX	I <sub>SAT</sub> (A) MAX	I <sub>RMS</sub> (A) MAX	W DIM (mm) $\pm 0.5$	P DIM (mm) $\pm 0.3$	T DIM (mm) $\pm 0.1$
P1106-							
100M	10	5.9	8.3	7.8	7.6	3.3	0.50
150M	15	8.3	7.5	7.3	9.6	4.4	0.50
220M	22	10.0	7.0	6.6	9.6	5.3	0.50
270M	27	15.7	6.5	5.4	9.6	4.4	0.33
330M	33	17.5	6.1	5.1	9.6	5.3	0.33

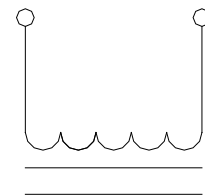
**Note:**

1. Inductance measured @ 1KHz 0.10V<sub>RMS</sub>
2. I<sub>SAT</sub>: Inductance drops 25% max from initial value
3. I<sub>RMS</sub>:  $\Delta$ T of 40°C rise max from ambient temperature
4. Inductance tolerance M=20
5. Suffix letter represents standard tolerance
6. Marking: Value of Inductance

### DIMENSIONS (mm)



### SCHEMATIC



**Dimensions**

Unless otherwise specified, all tolerances are:  
 inch: .XX :  $\pm 0.015$  .XXX :  $\pm 0.004$   
 mm: X.X :  $\pm 0.38$  X,XX :  $\pm 0.10$

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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