

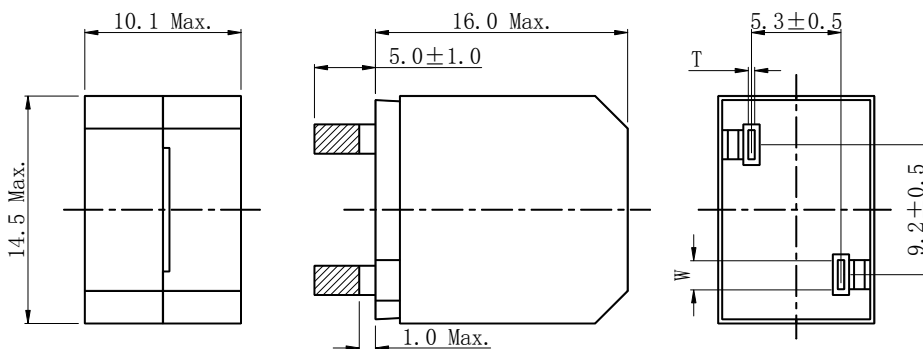
Type: DEP1016

◆ Product Description

- 14.5×10.1mm Max.(L×W), 16.0mm Max. Height.
- Reference inductance: 5.0~33 μ H
- Rated current range:5.8~14.1A
- Custom design is available.

◆ Feature

- Mn-Zn core used, high DC saturation current, high efficiency, low heat generation.
- L.P.F coils for Digital Amplifier in car audio, home theater and large LCD etc.
- Single channel.
- RoHS Compliance

◆ Dimensions (mm)

“T” and “W” dimension

No.	L(μ H)	T(mm)	W(mm)
1	5.0	0.60ref.	1.75ref.
2	10.0	0.50ref.	1.75ref.
3	15.0	0.50ref.	1.75ref.
4	18.0	0.45ref.	1.75ref.
5	22.0	0.45ref.	1.75ref.
6	27.0	0.40ref.	1.75ref.
7	33.0	0.35ref.	1.75ref.

◆ Specification

Part Name	Stamp	Inductance 1kHz/1V	D.C.R. ($m\Omega$)Max. (at 20°C)	Saturation Current (A) ※1	Temperature Rise Current (A) ※2
DEP1016NP-5R0PB	5R0	5.0 μ H±25%	5.1	18.2	14.1
DEP1016NP-100PB	100	10.0 μ H±25%	9.1	13.4	11.5
DEP1016NP-150PB	150	15.0 μ H±25%	9.1	8.7	11.5
DEP1016NP-180PB	180	18.0 μ H±25%	10.1	7.9	9.8
DEP1016NP-220PB	220	22.0 μ H±25%	11.4	7.2	8.5
DEP1016NP-270PB	270	27.0 μ H±25%	13.8	6.6	7.5
DEP1016NP-330PB	330	33.0 μ H±25%	15.0	5.8	7.3

※1. Saturation Current: The DC current at which the inductance decreases to 75% of the nominal value.
(Ta=20°C).

※2. Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^\circ\text{C}$ (Ta=20°C).