

PIN Power Inductor

DEP1519B



Recommended Type

Description

- Ferrite core construction
- Magnetically shielded
- Flat wire windings provide exceptionally low DC resistance.
- L×W×H:18.0×15.5×19.3mm Max.
- Product weight: 19.5g(Ref.)
- Moisture Sensitivity Level: 1



Environmental Data

- Operating temperature range: -40°C~+125°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+125°C

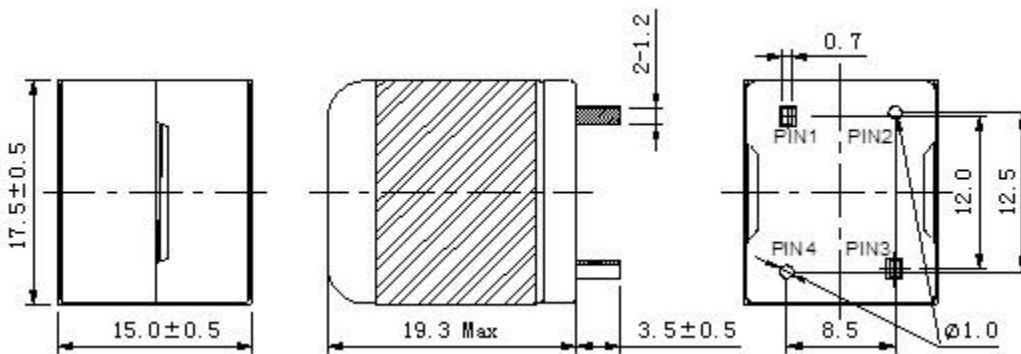
Packaging

- Pallet and box packaging (200pcs/box).
- 50pcs per pallet.

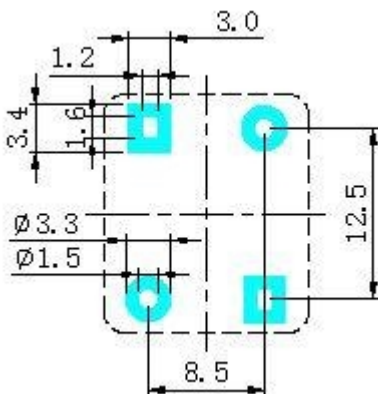
Applications

- Ideally used in Digital amplifier filter , home theater and large LCD etc.
- Low radiation noise by magnetically shielded construction

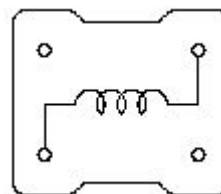
Dimension - [mm]



Recommended Land pattern - [mm]



Wire Connection



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Electrical Characteristics

Part Number	Inductance [Within] (μ H) ※1	D.C.R. at 20°C Max.(Typ.) (m Ω)	Saturation Current (A) Max.(Typ.) ※2	Temperature Rise Current (A) Max.(Typ.) ※3
DEP1519BHF-100M	10.00 $\pm$ 20%	10.70 (9.20)	26.00 (32.70)	10.00 (11.20)
DEP1519BHF-150M	15.00 $\pm$ 20%	10.70 (9.20)	18.80 (23.50)	10.00 (11.20)
DEP1519BHF-220M	22.00 $\pm$ 20%	10.70 (9.20)	13.20 (16.50)	10.00 (11.20)
DEP1519BHF-330M	33.00 $\pm$ 20%	10.70 (9.20)	9.40 (11.80)	10.00 (11.20)

※1 Measured frequency Inductance at 1kHz, 1V.

※2 Saturation current: This indicates the value of D.C. current when the inductance becomes 25% lower than its initial value.

※3 Temperature rise current: The value of D.C. current when the temperature of coil becomes $\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

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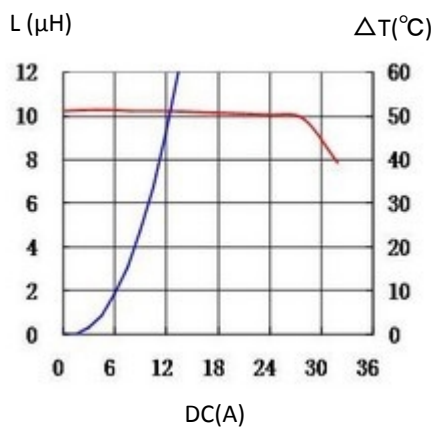
DEP1519B



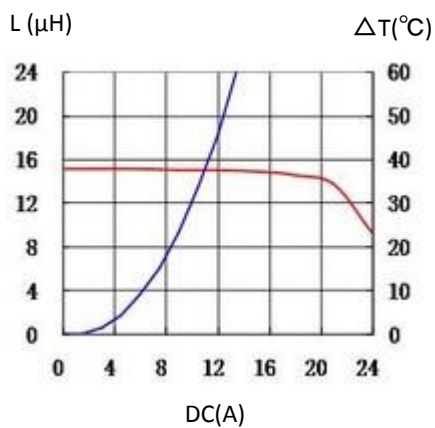
Saturation Current & Temperature Rise Graph

— L (20°C) — ΔT

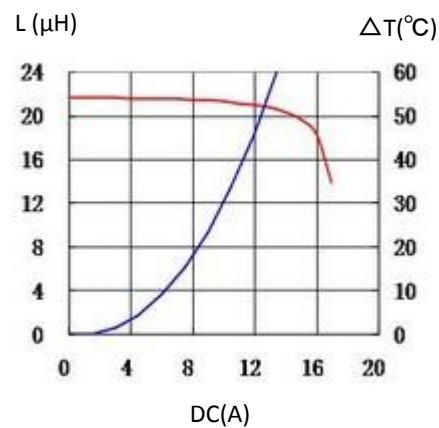
1. DEP1519BHF-100M



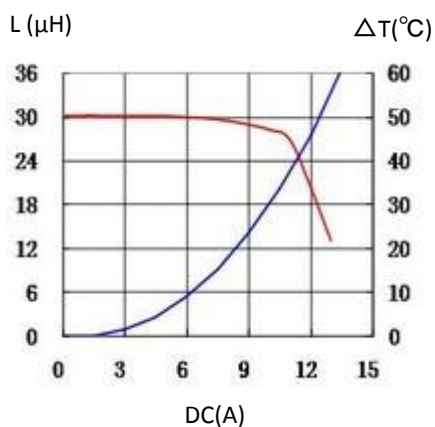
2. DEP1519BHF-150M



3. DEP1519BHF-220M



4. DEP1519BHF-330M



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