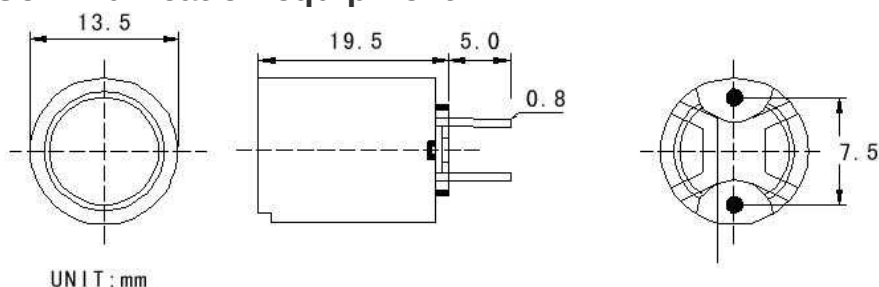


## Pin Type Power Inductor CDB1319 Series

CDB1319 Series, Ideal as a choke coil for noise filtering. It is suitable for use in audio processing circuits for low, high and bandpass filtering.

Mainly used by Ideal for use as a power choke coil in general household appliances such as TV set, video appliances and industrial equipment. Can also be used as peaking coil in filtering applications. Communication equipment.



UNIT: mm

1. Inductance tested at 100KHz, 0.1V;
2. SRF > 13MHz measured using Agilent / HP8753D network Analyzer;
3. Inductance drop = 10% typ. at rated Isat;
4.  $\Delta T = 40^\circ\text{C}$  rise typ. at Irms;
5. Operating temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ ;
6. Electrical specifications at  $+25^\circ\text{C}$ ;

| PART NO      | L(uH) | DCR max (mΩ) | IDC max (A) | TEST FREQ. (Hz) |
|--------------|-------|--------------|-------------|-----------------|
| CDB1319-100M | 10    | 0.015        | 3.61        | 100KHz          |
| CDB1319-150M | 15    | 0.017        | 3.16        | 100KHz          |
| CDB1319-180M | 18    | 0.020        | 2.81        | 100KHz          |
| CDB1319-220M | 22    | 0.021        | 2.44        | 100KHz          |
| CDB1319-270M | 27    | 0.023        | 2.12        | 100KHz          |
| CDB1319-330M | 33    | 0.024        | 1.80        | 100KHz          |
| CDB1319-390M | 39    | 0.027        | 1.64        | 100KHz          |
| CDB1319-470M | 47    | 0.032        | 1.57        | 100KHz          |
| CDB1319-560M | 56    | 0.034        | 1.39        | 100KHz          |
| CDB1319-680M | 68    | 0.060        | 1.26        | 100KHz          |
| CDB1319-820M | 82    | 0.070        | 1.18        | 100KHz          |
| CDB1319-101M | 100   | 0.090        | 1.14        | 100KHz          |
| CDB1319-151M | 150   | 0.11         | 0.82        | 100KHz          |
| CDB1319-181M | 180   | 0.12         | 0.73        | 100KHz          |
| CDB1319-221M | 220   | 0.14         | 0.61        | 100KHz          |
| CDB1319-271M | 270   | 0.16         | 0.54        | 100KHz          |
| CDB1319-331M | 330   | 0.17         | 0.52        | 100KHz          |
| CDB1319-391M | 390   | 0.32         | 0.48        | 100KHz          |
| CDB1319-471M | 470   | 0.35         | 0.44        | 100KHz          |
| CDB1319-561M | 560   | 0.39         | 0.40        | 100KHz          |
| CDB1319-681M | 680   | 0.44         | 0.38        | 100KHz          |
| CDB1319-821M | 820   | 0.48         | 0.28        | 100KHz          |
| CDB1319-102M | 1000  | 0.53         | 0.27        | 100KHz          |
| CDB1319-122M | 1200  | 0.66         | 0.26        | 100KHz          |
| CDB1319-152M | 1500  | 0.86         | 0.23        | 100KHz          |
| CDB1319-182M | 1800  | 0.95         | 0.21        | 100KHz          |
| CDB1319-222M | 2200  | 1.07         | 0.18        | 100KHz          |

In Bulk Packing

Special inquiries besides the above common used types can be met on your requirement.