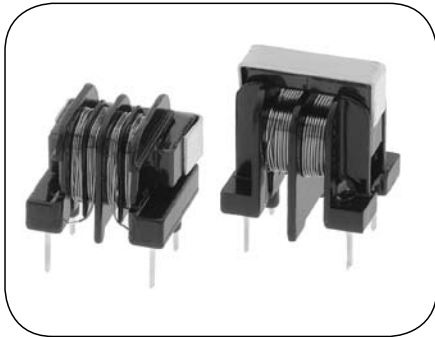


LFU10 Series Line Filters



Features

- Broad frequency attenuation
- UU cores for compact design
- Wide selection available
- Custom designs available

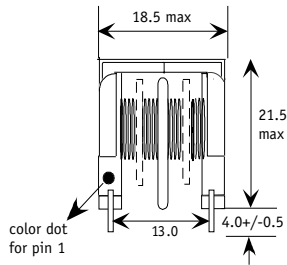
Applications

- Off-Line Switch Mode Power Supplies
- Conducted EMI Filters
- Office Equipment
- Medical Equipment

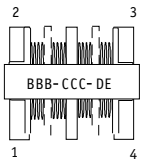
Packaging

Horizontal: Tray=100 pieces, Box=12 trays, Box=1200 pieces
 Vertical: Tray=110 pieces, Box=12 trays, Box=1320 pieces

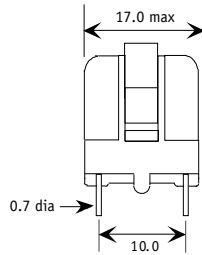
LFU10 Vertical



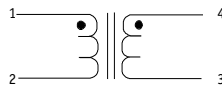
Front View



Top View

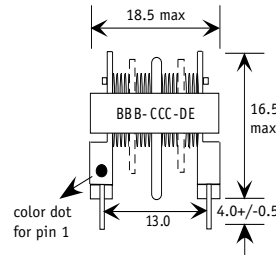


Side View

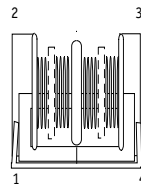


Schematic

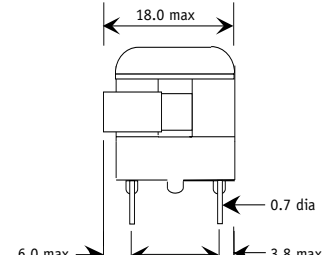
LFU10 Horizontal



Front View



Top View



Side View



Schematic

units: mm

Electrical Specifications

| Part Number | Inductance ¹ (mH nom.) | Inductance ¹ (mH min.) | DCR (Ω max.) | Rated ⁵ Current (A) | SRF (kHz, typ.) |
|------------------|--------------------------------------|--------------------------------------|-------------------------|-----------------------------------|--------------------|
| LFU10-055-153-2_ | 21.68 | 15.18 | 1.100 | 0.55 | 254 |
| LFU10-080-782-2_ | 11.11 | 7.78 | 0.550 | 0.8 | 426 |
| LFU10-100-382-2_ | 5.42 | 3.79 | 0.300 | 1.0 | 617 |
| LFU10-130-202-2_ | 2.87 | 2.01 | 0.150 | 1.3 | 803 |
| LFU10-170-781-2_ | 1.12 | 0.78 | 0.075 | 1.7 | 1614 |
| LFU10-220-711-2_ | 1.01 | 0.71 | 0.060 | 2.2 | 2025 |
| LFU10-060-902-4_ | 12.94 | 9.06 | 0.850 | 0.6 | 626 |
| LFU10-090-312-4_ | 4.49 | 3.14 | 0.350 | 0.9 | 1219 |
| LFU10-130-182-4_ | 2.51 | 1.76 | 0.190 | 1.3 | 1636 |
| LFU10-180-112-4_ | 1.61 | 1.13 | 0.120 | 1.8 | 2191 |
| LFU10-230-501-4_ | 0.71 | 0.50 | 0.060 | 2.3 | 4315 |
| LFU10-300-281-4_ | 0.40 | 0.28 | 0.040 | 3.0 | 4440 |

1. Tested at 1 kHz, 0.1 Vrms, series.
2. Electrical specs at 25° C.
3. Operating range: -40° C to +130° C.
4. Meets UL 94V-0.
5. Rated current produces a temperature rise of 40° C.
6. Specify H or V at end of part number for Horizontal or Vertical core arrangement.



IMPEDANCE VS. FREQUENCY

