

Choke CDRH74

Reference: AM7487

EAN13: -

HS code: 85411000



Product attributes:

Inductance: 10 uH, 220 uH, 47 uH, 4,7 uH, 1000 uH, 470 uH, 680 - 681 uH

Product features:

Tolerance: 20%

Product description:

SMD power choke CDRH74

The CDRH74 series SMD power choke is designed for switching power supplies, DC/DC converters and filter circuits. The shielded design with ferrite core ensures low electromagnetic interference, high current carrying capacity and stable parameters in a wide range of inductances.

Technical specifications

- Construction: shielded power choke
- Mounting: SMD
- Dimensions: 7.5 × 7.5 × 4.5 mm
- Weight: 1.6g
- Inductance tolerance: ±20%
- Test frequency: 100 kHz / 0.3 V
- Operating temperature: -40 °C to +85 °C
- Storage temperature: -55 °C to +125 °C
- Insulation resistance: 100 MΩ
- Protection: IP00

Overview of available CDRH74 variants

| Designation | Inductance (µH) | DC resistance (Ω) max. | Saturation current Isat (A) | Rated current Irms (A) |
|-------------|-----------------|------------------------|-----------------------------|------------------------|
| CDRH74-1R0M | 1 | 0.017 | 8.0 | 5.0 |
| CDRH74-2R2M | 2.2 | 0.024 | 6.0 | 4.0 |
| CDRH74-3R3M | 3.3 | 0.030 | 4.8 | 3.5 |
| CDRH74-4R7M | 4.7 | 0.040 | 4.2 | 3.1 |
| CDRH74-6R8M | 6.8 | 0.050 | 2.8 | 2.2 |
| CDRH74-100M | 10 | 0.065 | 2.5 | 1.84 |
| CDRH74-150M | 15 | 0.090 | 2.0 | 1.47 |
| CDRH74-220M | 22 | 0.130 | 1.8 | 1.23 |
| CDRH74-330M | 33 | 0.160 | 1.5 | 0.96 |
| CDRH74-470M | 47 | 0.230 | 1.3 | 0.88 |
| CDRH74-560M | 56 | 0.250 | 1.2 | 0.8 |
| CDRH74-680M | 68 | 0.310 | 1.1 | 0.7 |
| CDRH74-101M | 100 | 0.430 | 0.9 | 0.6 |
| CDRH74-121M | 120 | 0.600 | 0.8 | 0.5 |
| CDRH74-151M | 150 | 0.700 | 0.7 | 0.46 |
| CDRH74-221M | 220 | 0.950 | 0.5 | 0.35 |
| CDRH74-331M | 330 | 1,350 | 0.4 | 0.32 |
| CDRH74-471M | 470 | 2,200 | 0.35 | 0.26 |
| CDRH74-681M | 680 | 2,700 | 0.3 | 0.2 |
| CDRH74-102M | 1000 | 4,300 | 0.28 | 0.18 |
| CDRH74-152M | 1500 | 4,500 | 0.1 | 0.1 |

Functions and features

- Shielded design to reduce EMI
- Low DC winding resistance
- High saturation current resistance
- Suitable for high-frequency switching circuits

Ideal for

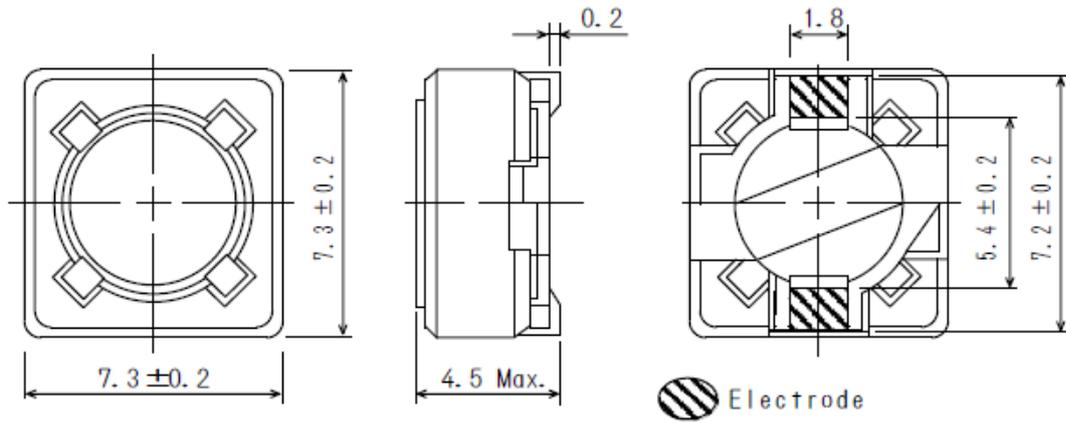
- DC/DC converters
- Switching power supplies
- LED drivers
- Filtering and smoothing circuits

Package contents

- 1x SMD power choke CDRH74

Why choose this product?

- Complete range of inductors in one package
- Technical parameters directly according to the production datasheet
- High reliability and mechanical resistance



Land pattern and Schematics - [mm]

