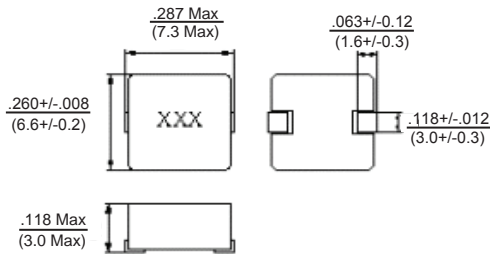




SMD High Current Shielded Choke PCHC63Y35

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



| Allied Part Number | Inductance (μh) | Tolerance (%) | DCR ($\text{m}\Omega$) Max. | I _{rms} (Amp) | I _{sat} (Amp) |
|--------------------|------------------------------|---------------|-------------------------------|------------------------|------------------------|
| PCHC63Y35-R47M-RC | 0.47 | 20 | 4.2 | 17.5 | 26 |
| PCHC63Y35-R68M-RC | 0.68 | 20 | 5.5 | 15.5 | 25 |
| PCHC63Y35-R82M-RC | 0.82 | 20 | 8.0 | 13 | 24 |
| PCHC63Y35-1R0M-RC | 1.00 | 20 | 10 | 11 | 22 |
| PCHC63Y35-1R5M-RC | 1.50 | 20 | 15 | 9 | 18 |
| PCHC63Y35-2R2M-RC | 2.20 | 20 | 20 | 8 | 14 |
| PCHC63Y35-3R3M-RC | 3.30 | 20 | 30 | 6 | 13.5 |
| PCHC63Y35-4R7M-RC | 4.70 | 20 | 40 | 5.5 | 10 |
| PCHC63Y35-6R8M-RC | 6.80 | 20 | 60 | 4.5 | 8 |
| PCHC63Y35-8R2M-RC | 8.20 | 20 | 68 | 4 | 7.5 |
| PCHC63Y35-100M-RC | 10.0 | 20 | 85 | 3 | 7 |

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- Saturation current up to 26Amps @.47 μh
- Low DC Resistance
- Suitable for pick and place
- Similar to Vishay IHLP-2525CZ series

Electrical

Inductance Range: .47 μH to 10 μH

Tolerance: 20% over entire range

Test Frequency: 100KHz, 0.25V @ 25°C

Operating Temp: -40°C ~ +125°C

I_{rms}: Current at which the temp will rise no more than 40°C @ 25°C Ambient without core loss.

I_{sat}: Current at which the initial Inductance will drop approximately 30% @ 25°C.

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C \pm 5°C

Immersion Time: 10 sec. \pm 1 sec.

Physical

Packaging: 1500 pieces per reel.

Marking: EIA Inductance Code