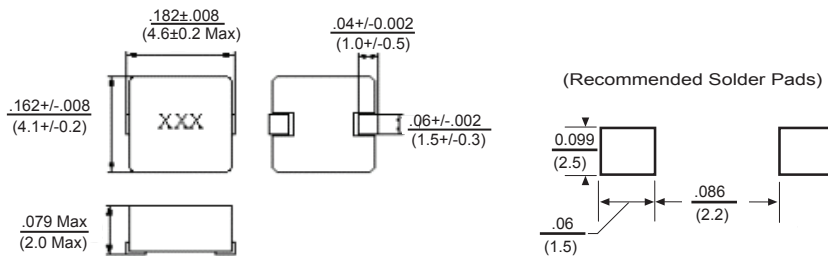




# SMD High Current Shielded Choke PCHC420R8

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



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC Max. mΩ (Typical)	Isat (A) Typ	Irms (A) Typ
PCHC420R8-R33M-RC	.10	20	100	4 (3.5)	25	12.0
PCHC420R8-R22M-RC	.22	20	100	6.6 (6)	12.5	9.0
PCHC420R8-R47M-RC	.47	20	100	14 (12.5)	9.5	7.0
PCHC420R8-R56M-RC	.56	20	100	16 (14)	10	6.5
PCHC420R8-R68M-RC	6.8	20	100	21 (19.4)	8.0	5.2
PCHC420R8-1R0M-RC	1.0	20	100	27 (24)	7.0	4.5
PCHC420R8-1R5M-RC	1.5	20	100	46 (38)	6.0	4.0
PCHC420R8-2R2M-RC	2.2	20	100	58 (52)	5.0	3.0
PCHC420R8-3R3M-RC	3.3	20	100	87 (74)	4.0	2.5
PCHC420R8-4R7M-RC	4.7	20	100	126 (105)	3.0	2.2
PCHC420R8-6R8M-RC	6.8	20	100	150 (125)	2.5	2.0
PCHC420R8-8R2M-RC	8.2	20	100	216 (180)	2.5	1.8
PCHC420R8-100M-RC	10	20	100	270(225)	2.0	1.6

All specifications subject to change without notice.

## Features

- Magnetically shielded construction
- Ultra High saturation current up to 25A
- Ultra low buzz due to unibody construction
- Expanded operating temp range
- Low DC Resistance

## Electrical

**Inductance Range:** .10μH to 10μH additional values available.

**Tolerance:** 20% over entire range

**Test Frequency:** 100KHz, 0.5V

**Operating Temp:** -55°C ~ +125°C

**Temp. Rise:** Δ=40°C Typical at rated I<sub>rms</sub> without core loss.

Part temperature should not exceed 125°C including temperature rise.

Inductance drop: 30% typical at rated Isat

## Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

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

**Solder Temp:** 260°C ± 5°C

**Immersion Time:** 10 sec. ± 1 sec.

## Test Equipment

(L): HP 4284A LCR meter or equivalent

DCR: Chen HWA502

IDC: 3260B WK & DC Bias 3265B WK

## Physical

**Packaging:** 2000 pieces per 13 inch reel.

**Marking:** EIA Inductance Code