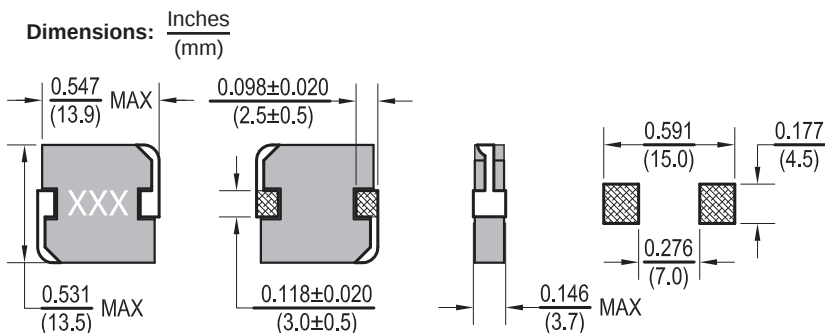




Power Choke High Current

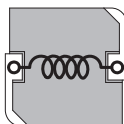
PCHC123H



Allied Part Number	Inductance (μ H)	Tolerance (%)	Test Freq. KHz, 1v	DCR (Ω) Max	Isat (A)	Irms (A) Max.
PCHC123H-R47M-RC	0.47	20	100	2	44	32
PCHC123H-R68M-RC	0.68	20	100	2.5	40	28
PCHC123H-1R0M-RC	1.00	20	100	3.5	36	24
PCHC123H-1R5M-RC	1.50	20	100	5.5	28	19
PCHC123H-2R2M-RC	2.20	20	100	8	20	16
PCHC123H-3R3M-RC	3.30	20	100	12	18	12
PCHC123H-4R7M-RC	4.70	20	100	15	16	10
PCHC123H-5R6M-RC	5.60	20	100	18	14	10
PCHC123H-6R8M-RC	6.80	20	100	22	13	9
PCHC123H-100M-RC	10	20	100	34	9.5	7

All specifications subject to change without notice.

Schematic



Features

- Magnetically shielded construction
- High saturation current up to 44A
- Expanded operating temp range
- Low DCR
- Suitable for pick and place

Electrical

Inductance Range: .47 μ H to 10 μ H

Additional values available

Tolerance: 20% over entire range,
Available in tighter tolerances

Test Frequency: 100KHz, 1V

Operating Temp: -55°C ~ +125°C

Irms: Current at which $\Delta T=40^\circ\text{C}$ temp rise with out core loss.

Isat: Current at which Inductance drop is approximately 20%.

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.

Test Equipment

(L): HP4284A LCR meter or equivalent

DCR: CH16502, Agilent 33420A Micro-Ohm meter

IDC: 3260B WK & DC Bias 3265B WK

Physical

Packaging: 600 pieces per 13 inch reel.

Marking: EIA Inductance Code