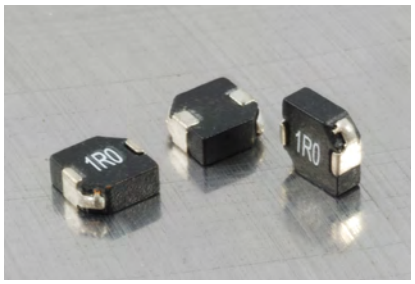
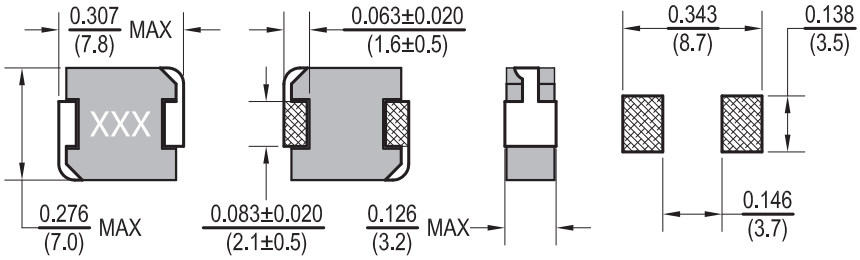
RoHS

Power Choke High Current PCHC63H



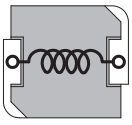
Dimensions: Inches (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz,1v	DCR (mΩ) Max	Isat (A)	Irms (A) Max.
PCHC63H-R33M-RC	0.33	20	100	3.9	30	20
PCHC63H-R47M-RC	0.47	20	100	4.2	26	17.5
PCHC63H-R68M-RC	0.68	20	100	5.5	23	15.5
PCHC63H-1R0M-RC	1.00	20	100	10	16	11
PCHC63H-1R5M-RC	1.50	20	100	15	14	9
PCHC63H-2R2M-RC	2.20	20	100	20	12	8
PCHC63H-3R3M-RC	3.30	20	100	30	10	6
PCHC63H-4R7M-RC	4.70	20	100	40	6.5	5.5
PCHC63H-6R8M-RC	6.80	20	100	60	6	4.5
PCHC63H-8R2M-RC	8.20	20	100	68	5.5	4
PCHC63H-100M-RC	10	20	100	105	4.5	3

All specifications subject to change without notice.

Schematic



Features

- Magnetically shielded construction
- High saturation current up to 30A
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

Electrical

Inductance Range: .33µH to 10µH
Available in tighter tolerances
Tolerance: 20% over entire range,
Test Frequency: 100KHz, 1.0Vdc
Operating Temp: -55ºC ~ +125ºC
Storage Temp: -55ºC ~ +125ºC
Temp rise: Δ T=40ºC Typical at rated Irms with out core loss.
Part temperature should not exceed 125ºC including temperature rise.
Inductance drop: 20% typical at rated Isat

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 minute.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC ± 5ºC
Immersion Time: 10 sec. ± 1 sec.

Test Equipment

(L): HP 4284A LCR meter or equivalent
(DCR): CH16502, Agilent 33420A Micro-Ohm meter
(IDC): 3260B WK & DC Bias 3265B WK

Physical

Packaging: 1000 pieces per 13 inch reel.
Marking: EIA Inductance Code