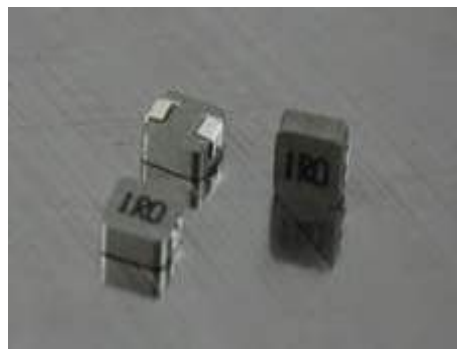
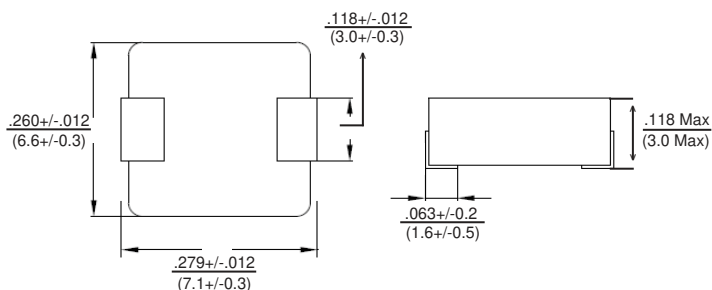




SMD High Current Shielded Choke PCHC63A

Dimensions: Inches
(mm)



Allied Part Number	Inductance (μH)	Tolerance (%)	Test Frequency (Hz/V)	IDC (A)	Isat (A)	DCR (mΩ) Typ.(Max)
PCHC63A-1R0M-RC	1	20	100K / 1	12.5	9.5	7.6(8)
PCHC63A-1R5M-RC	1.5	20	100K / 1	10.5	8	11.7(12.5)
PCHC63A-2R2M-RC	2.2	20	100K / 1	9	7	15.7(16.5)
PCHC63A-3R3M-RC	3.3	20	100K / 1	7	6.5	24.8(26)
PCHC63A-4R7M-RC	4.7	20	100K / 1	6	4	31.8(33.4)
PCHC63A-6R8M-RC	6.8	20	100K / 1	5.5	4	44.6(46.8)
PCHC63A-8R2M-RC	8.2	20	100K / 1	5	4	52.3(54.9)
PCHC63A-100M-RC	10	20	100K / 1	4	3.5	67.8(71.2)
PCHC63A-220M-RC	22	20	100K / 1	2.9	2.5	128.9(135)

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- High saturation current up to 9.5Amps
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

Electrical

Inductance Range: 1μH to 22μH
Additional values available

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

Test Frequency: As shown.

Operating Temp: -55°C ~ +125°C

Storage Temp: -55°C ~ +125°C

Temp rise: ΔT=40°C Typical at heat rated current.

Under no condition should the temperature of the part exceed 125°C

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): 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