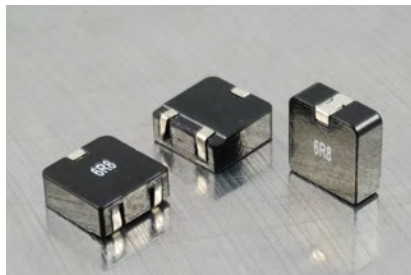


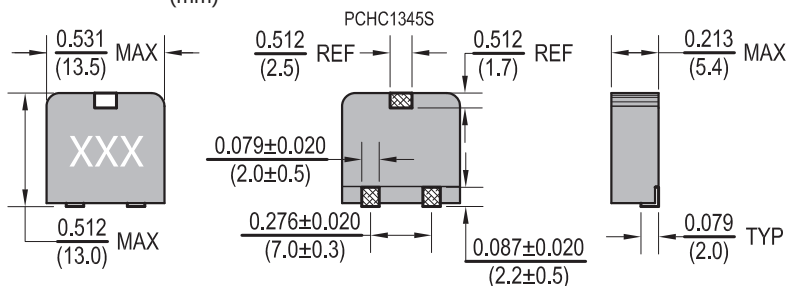


Power Choke High Current

PCHC1354S



Dimensions: Inches
(mm)



Allied Part Number	Inductance (μ h)	Tolerance (%)	Test Freq. KHz, 1v	DCR (Ω) Max	Isat (A)	Irms (A) Max.
PCHC1354S-R68M-RC	0.68	20	100	1.5	38.8	29.7
PCHC1354S-1R0M-RC	1.00	20	100	2	34	26
PCHC1354S-1R4M-RC	1.40	20	100	3.4	26	22
PCHC1354S-2R2M-RC	2.20	20	100	4.5	20	18
PCHC1354S-3R3M-RC	3.30	20	100	7	18	15
PCHC1354S-4R7M-RC	4.70	20	100	8.8	15	13
PCHC1354S-6R8M-RC	6.80	20	100	12	12	9

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- High saturation current up to 38.8A
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

Electrical

Inductance Range: .68 μ H to 6.8 μ H
Additional values available

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

Test Frequency: 100KHz, 1.0Vdc

Operating Temp: -55°C ~ +125°C

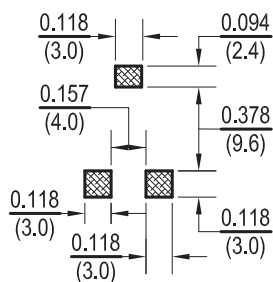
Storage Temp: -55°C ~ +125°C

Temp rise: $\Delta T = 40^\circ\text{C}$ Typical at rated Irms with out core loss.

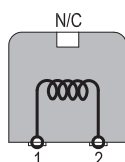
Part temperature should not exceed 125°C including temperature rise.

Inductance drop: 20% typical at rated Isat

Land Pattern



Schematic



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): HP 4284A LCR meter or equivalent

(DCR): CH16502, Agilent 33420A Micro-Ohm meter

(IDC): 3260B WK & DC Bias 3265B WK

Physical

Packaging: 500 pieces per 13 inch reel.

Marking: EIA Inductance Code