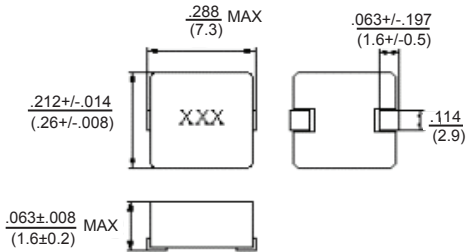


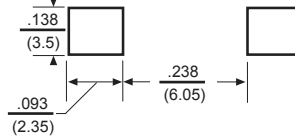


SMD High Current Shielded Choke PCHC618R8A

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



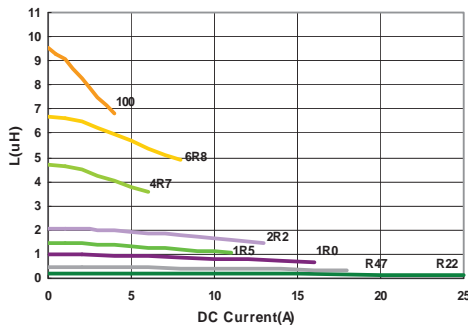
(Recommended Solder Pads)



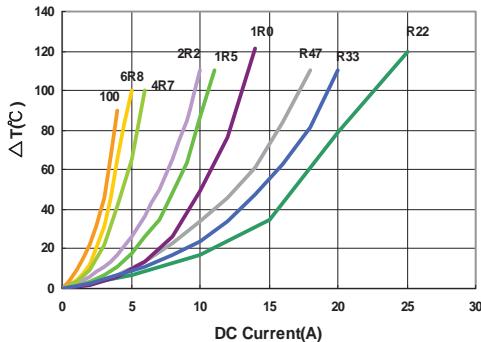
Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC (mΩ) Max	Isat (A) Typ	Irms (A) Typ
PCHC618R8A-R22M-RC	.22	20	100	5.2	29	14
PCHC618R8A-R33M-RC	.33	20	100	6.8	22	12
PCHC618R8A-R47M-RC	.47	20	100	8.4	18	11
PCHC618R8A-R68M-RC	.68	20	100	12.7	17	9
PCHC618R8A-1R0M-RC	1.0	20	100	17	14	7
PCHC618R8A-1R5M-RC	1.5	20	100	26	12	6.5
PCHC618R8A-2R2M-RC	2.2	20	100	35	10	6.0
PCHC618R8A-4R7M-RC	4.7	20	100	70	5	3.5
PCHC618R8A-6R8M-RC	6.8	20	100	110	3.5	2.8
PCHC618R8A-100M-RC	10	20	100	155	2.5	2.3

All specifications subject to change without notice.

Inductance vs DC Current



Temperature Change v.s DC Current



Features

- Magnetically shielded construction
- Ultra High saturation current up to 29A
- Low RD Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

Inductance Range: .22μH to 10μH additional values available.

Tolerance: 20% over entire range, available in tighter tolerances.

Test Frequency: 100KHz, 0.5Vdc

Operating Temp: -55°C ~ +125°C

Storage Temp: -55°C ~ +125°C

Temp. Rise: Δ=40°C Typical at heat rated current.

Under no condition should the temp. 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): WK 3260B

DCR: Chen HWA502

IDC: 3260B WK & DC Bias 3265B WK

Physical

Packaging: 1000 pieces per 13 inch reel.

Marking: EIA Inductance Code