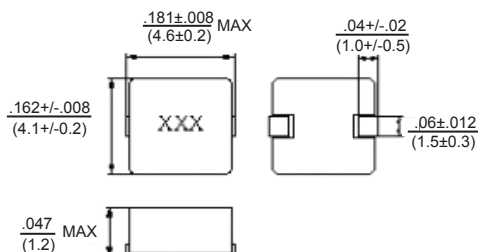


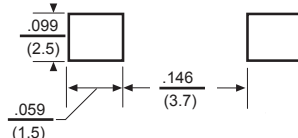


SMD High Current Shielded Choke PCHC412R8

Dimensions: Inches
(mm)



(Recommended Solder Pads)



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC (mΩ) Max	Isat (A) Typ	Irms (A) Typ
PCHC412R8-R22M-RC	0.22	20	100	12	11.5	8.5
PCHC412R8-R47M-RC	0.47	20	100	25	7.0	5.0
PCHC412R8-R68M-RC	0.68	20	100	37	6.0	4.0
PCHC412R8-1R0M-RC	1.0	20	100	46	5.2	4.0
PCHC412R8-2R2M-RC	2.2	20	100	114	3.5	2.2
PCHC412R8-4R7M-RC	4.7	20	100	195	2.8	1.8

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- Ultra High saturation current up to 11.5A
- Low RD Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

Inductance Range: .22μH to 4.7μH additional values available.

Tolerance: 20% over entire range

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 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: 2000 pieces per 13 inch reel.

Marking: EIA Inductance Code

