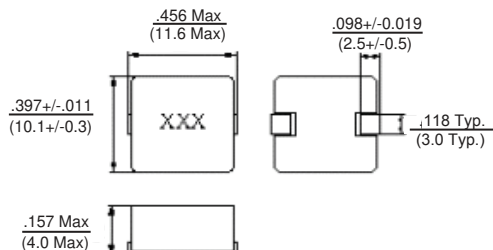




Power Choke High Current PCHC104R7

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



Allied Part Number	Inductance (μH)	Tolerance (%)	DCR ($\text{m}\Omega$) Max.	I _{rms} (A) Typ.	I _{sat} (A) Typ.
PCHC104R7-R22M-RC	0.22	20	0.6	35	45
PCHC104R7-R36M-RC	0.36	20	1.2	34	42
PCHC104R7-R45M-RC	0.45	20	1.2	33	38
PCHC104R7-R47M-RC	0.47	20	1.2	33	38
PCHC104R7-R56M-RC	0.56	20	1.55	27	32
PCHC104R7-R68M-RC	0.68	20	1.55	27	30
PCHC104R7-1R0M-RC	1.0	20	3.1	20	26
PCHC104R7-1R5M-RC	1.5	20	4.2	16	22
PCHC104R7-1R8M-RC	1.8	20	5	15.3	16
PCHC104R7-3R3M-RC	3.3	20	13.2	11	12
PCHC104R7-6R8M-RC	6.8	20	25	6	10
PCHC104R7-8R2M-RC	8.2	20	30	6	9
PCHC104R7-100M-RC	10	20	30	6.5	7
PCHC104R7-150M-RC	15	20	53	5	6
PCHC104R7-220M-RC	22	20	64	4.5	4.5

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- High saturation current up to 45A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

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

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

Test Frequency: 100KHz, 0.5V

Operating Temp: -55°C ~ +125°C

StorageTemp: -55°C ~ +125°C

I_{rms}: Current at which the temp will rise approx 40°C.

I_{sat}: Current at which the Inductance will drop approximately 30%.

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

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: CH502, Agilent 33420A Micro-Ohm meter

IDC: 3260B WK & DC Bias 3265B WK

Physical

Packaging: 500 pieces per 13 inch reel.

Marking: EIA Inductance Code