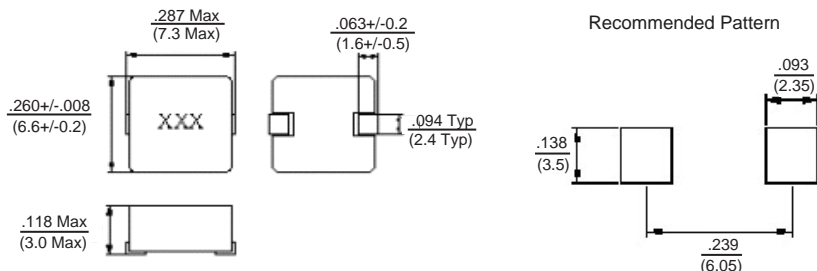




SMD High Current Shielded Choke PCHC63R8

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



Allied Part Number	Inductance (μH) $I_{dc}=0\text{A}$	Tolerance (%)	Heat Rated Current DC (A) Typ.	Isat Current DC (A) Typ.	RDC ($\text{m}\Omega$) Typ.	RDC ($\text{m}\Omega$) Max.
PCHC63R8-R10M-RC	0.10	20	32.5	60	1.5	1.7
PCHC63R8-R15M-RC	0.15	20	30.0	40	1.9	2.5
PCHC63R8-R22M-RC	0.22	20	23.0	34	2.5	3.0
PCHC63R8-R33M-RC	0.33	20	21.0	25	3.0	3.5
PCHC63R8-R36M-RC	0.36	20	20.0	24	3.3	3.9
PCHC63R8-R47M-RC	0.47	20	18.0	20	3.5	4.1
PCHC63R8-R56M-RC	0.56	20	16.5	18	3.9	4.5
PCHC63R8-R68M-RC	0.68	20	16.0	17	4.8	5.3
PCHC63R8-R82M-RC	0.82	20	14.0	16	5.4	6.0
PCHC63R8-1R0M-RC	1.0	20	12.0	15	6.7	7.4
PCHC63R8-1R2M-RC	1.2	20	10.0	14	7.8	10.0
PCHC63R8-1R5M-RC	1.5	20	10.0	14	10.6	12.1
PCHC63R8-2R2M-RC	2.2	20	8.0	10	13.5	15.0
PCHC63R8-3R3M-RC	3.3	20	6.5	9.5	18.0	22.0
PCHC63R8-4R7M-RC	4.7	20	5.5	6.5	28.0	33.0
PCHC63R8-5R6M-RC	5.6	20	5.5	6.0	39.0	42.0
PCHC63R8-6R8M-RC	6.8	20	4.5	6.0	43.9	50.0
PCHC63R8-8R2M-RC	8.2	20	4.5	6.0	54.0	60.0
PCHC63R8-100M-RC	10	20	4.0	5.5	62.0	68.0

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- High saturation current up to 45Amps
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

Electrical

Inductance Range: .10 μH to 10 μH
Additional values available

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

Test Frequency: 100KHz, .5Vdc

Operating Temp: -55°C ~ +125°C

Storage Temp: -55°C ~ +125°C

Temp rise: $\Delta T=40^\circ\text{C}$ 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 \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: 1000 pieces per 13 inch reel.

Marking: EIA Inductance Code