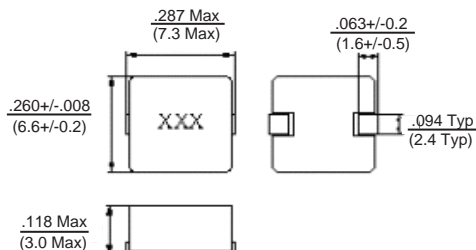




SMD High Current Shielded Choke PCHC63R8

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	37	45	0.9	1.0
PCHC63R8-R22M-RC	0.22	20	23	40	2.5	2.8
PCHC63R8-R33M-RC	0.33	20	20	33	4.0	4.2
PCHC63R8-R47M-RC	0.47	20	16.5	27	5.0	5.5
PCHC63R8-R68M-RC	0.68	20	15	24	5.7	6.3
PCHC63R8-R82M-RC	0.82	20	13	23	7.5	8.0
PCHC63R8-1R0M-RC	1.0	20	12	22	9.0	10.0
PCHC63R8-1R5M-RC	1.5	20	9.5	18	13.5	15
PCHC63R8-2R2M-RC	2.2	20	8.5	14	17	20
PCHC63R8-3R3M-RC	3.3	20	6	12	32	35
PCHC63R8-4R7M-RC	4.7	20	5.5	9	35	40
PCHC63R8-6R8M-RC	6.8	20	4.5	8	54	60

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
- Similar to Vishay IHLP-2525CZ series

Electrical

Inductance Range: .10 μH to 6.8 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