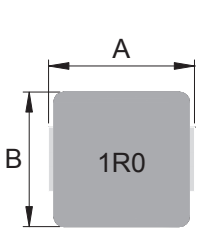
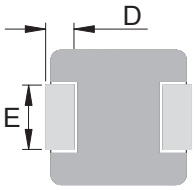
RoHS

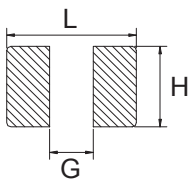
Power Choke High Current PCHC320H







Dimensions: Inches (mm)



A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
.138±.008 3.5±0.2	.126±.008 3.2±0.2	.071±.008 1.8±0.2	.028±.008 0.7±0.2	.047±.008 1.2±0.2

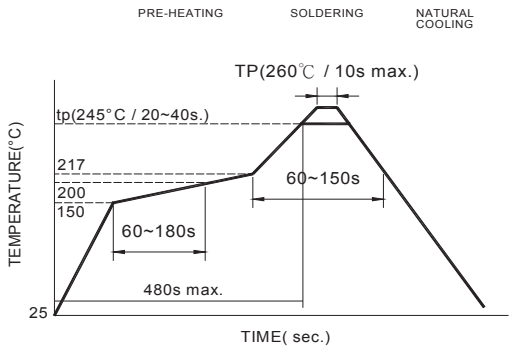
L(mm)	G(mm)	H(mm)
.161 4.1	.075 1.9	.057 1.45



Allied Part Number	Inductance (µH) ±20% @ 0A	DCR (mΩ) Typ.@25°C	DCR (mΩ) Max@25°C	Irms (A) Typ.	Isat (A) Typ.
PCHC320H-R47M	0.47	19.7	23	7.0	9.0
PCHC320H-R65M	0.68	25.5	29	5.5	7.0
PCHC320H-1R0M	1.00	32	38	4.0	5.0
PCHC320H-1R5M	1.50	42	50	3.8	4.0
PCHC320H-2R2M	2.20	65	75	3.5	3.7
PCHC320H-3R3M	3.30	125	145	3.0	3.5
PCHC320H-4R7M	4.70	172	200	2.6	3.0
PCHC320H-5R6M	5.60	205	238	2.2	2.6
PCHC320H-6R8M	6.80	260	300	1.9	2.2
PCHC320H-8R2M	8.20	340	390	1.6	1.9
PCHC320H-101M	10.0	366	422	1.4	1.6

All specifications subject to change without notice.

Reflow Soldering



Reflow times: 3 times max.

Features

- Magnetically shielded construction
- Expanded operating temp range
- High Current
- Low DCR
- Suitable for pick and place
- Series is RoHS Compliant

Electrical

Inductance Range: 0.47µH to 10µH
Tolerance: ±20% Across entire series
Test Frequency: 100KHz, 1V
Operating Temp: -40ºC to +125ºC
Irms: Current at which Δ T=40ºC temp rise without core loss.
Isat: Current at which Inductance drop is appoximately 30%. The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions.

Resistance to Soldering Heat

Pre-Heat: 150ºC, 1 minute.
Solder Composition: Sn96.5% Ag3% Cu0.5%
Solder Temp: 245ºC ± 5ºC
Immersion Time: 4 sec. ± 1 sec.
Depth: Completely cover the termination

Test Equipment

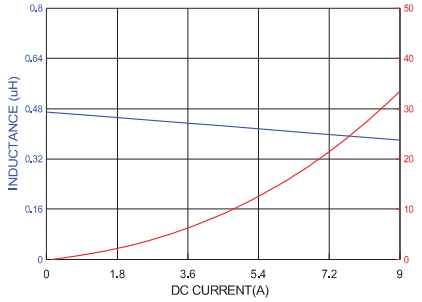
(L): HP4284A LCR meter or equivalent
DCR: CH16502, Agilent 33420A Mirco-Ohmmeter

Physical

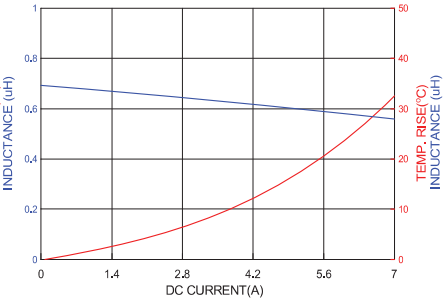
Packaging: 3000 pieces per 13 inch reel.
Marking: EIA Inductance Code/ Date Code

Typical Performance Curves

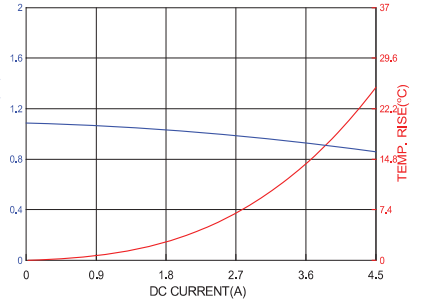
PCHC320H-R47M



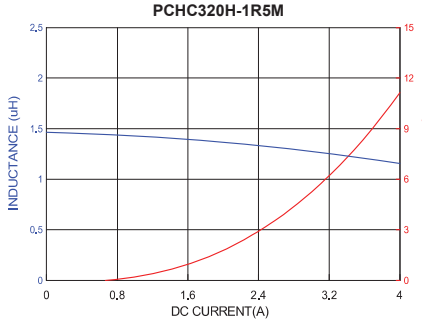
PCHC320H-R68M



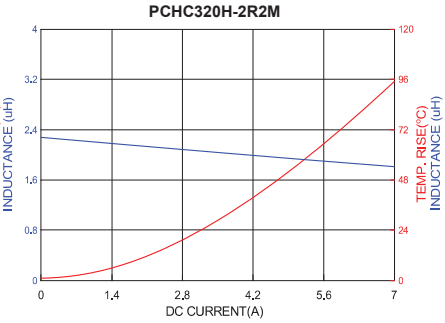
PCHC320H-1R0M



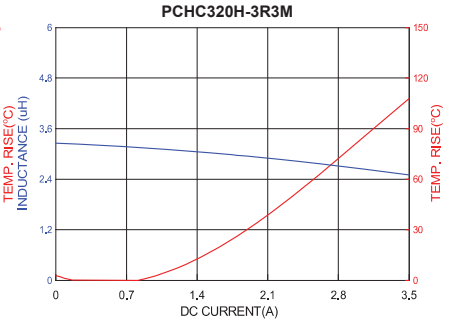
PCHC320H-1R5M



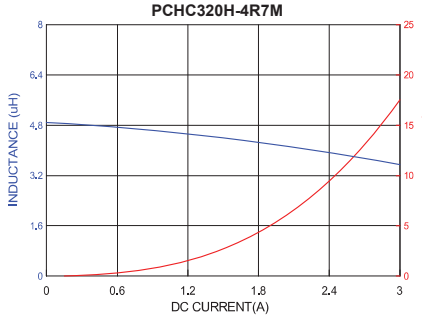
PCHC320H-2R2M



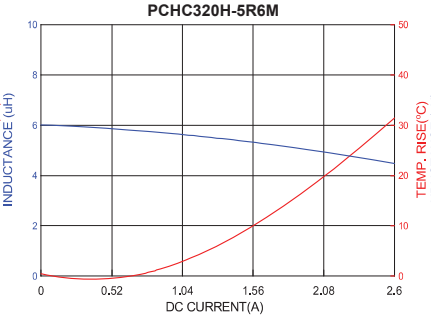
PCHC320H-3R3M



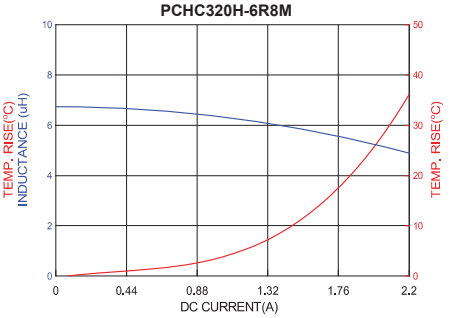
PCHC320H-4R7M



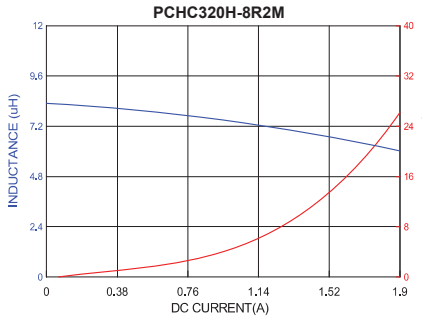
PCHC320H-5R6M



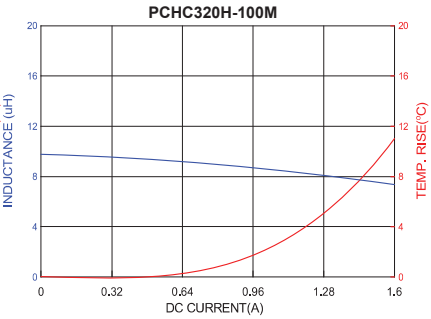
PCHC320H-6R8M



PCHC320H-8R2M

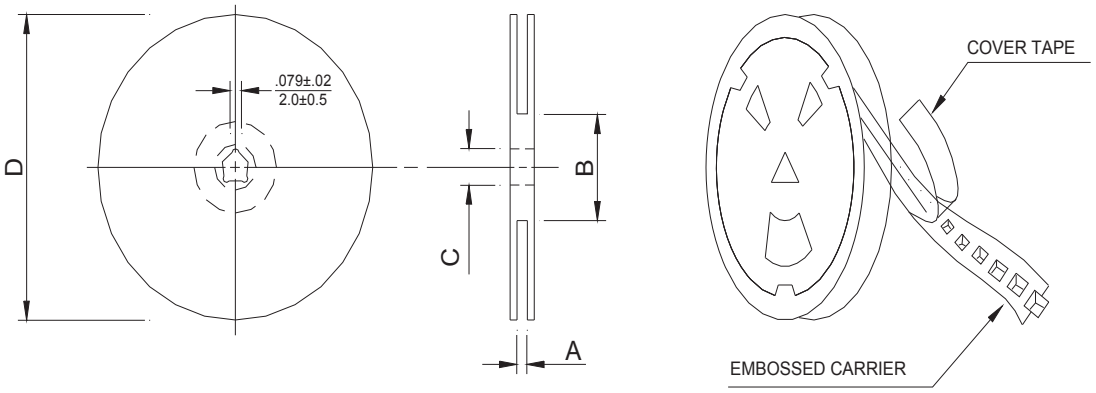


PCHC320H-100M



Packaging Information

Reel Dimension



A	B	C	D
.488+.079/-0 12.4+2.0/-0	3.94±.079 100±2.0	.512+.002/-.008 13+0.5/-0.2	13.00 330

Tape Dimension

