

Power Inductor

SMD /Shielded Type



TPRHC series

FEATURES

1. Magnetic Shielded surface mount inductor with high current rating.
2. Low resistance to keep power loss minimum.
3. The products contain no lead and also support lead-free soldering.



APPLICATIONS

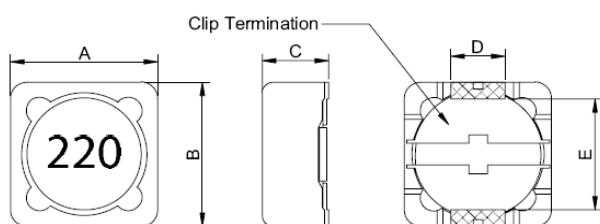
- Excellent for power line DC-DC conversion applications used in hard disk notebook computers and other electronic equipment.

PARTNUMBER

TPRHC	1204	—	3R9	Y	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance M=±20%, Y=±30%
 E: Lead Free Code
 F: ID Code

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
1204	12.0±0.3	12.0±0.3	5.0 max.	5.0±0.2	7.6±0.2
1205	12.0±0.3	12.0±0.3	6.0 max.	5.0±0.2	7.6±0.2
1207	12.0±0.3	12.0±0.3	8.0 max.	5.0±0.2	7.6±0.2

TPRHC 1204

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current
TPRHC 1204-3R9Y	3.9± 30%	1V/100K	0.015	6.50
TPRHC 1204-4R7Y	4.7± 30%	1V/100K	0.018	5.70
TPRHC 1204-6R8Y	6.8± 30%	1V/100K	0.023	4.90
TPRHC 1204-8R2Y	8.2± 30%	1V/100K	0.026	4.60
TPRHC 1204-100M	10± 20%	1V/100K	0.028	4.50
TPRHC 1204-120M	12± 20%	1V/100K	0.038	4.00
TPRHC 1204-150M	15± 20%	1V/100K	0.050	3.20
TPRHC 1204-180M	18± 20%	1V/100K	0.057	3.10
TPRHC 1204-220M	22± 20%	1V/100K	0.066	2.90
TPRHC 1204-270M	27± 20%	1V/100K	0.080	2.80
TPRHC 1204-330M	33± 20%	1V/100K	0.097	2.70
TPRHC 1204-390M	39± 20%	1V/100K	0.132	2.10
TPRHC 1204-470M	47± 20%	1V/100K	0.160	1.90
TPRHC 1204-560M	56± 20%	1V/100K	0.190	1.80
TPRHC 1204-680M	68± 20%	1V/100K	0.220	1.50
TPRHC 1204-820M	82± 20%	1V/100K	0.260	1.30
TPRHC 1204-101M	100± 20%	1V/100K	0.308	1.20
TPRHC 1204-121M	120± 20%	1V/100K	0.380	1.10
TPRHC 1204-151M	150± 20%	1V/100K	0.530	0.95
TPRHC 1204-181M	180± 20%	1V/100K	0.620	0.85
TPRHC 1204-221M	220± 20%	1V/100K	0.700	0.80
TPRHC 1204-271M	270± 20%	1V/100K	0.870	0.60
TPRHC 1204-331M	330± 20%	1V/100K	0.990	0.50

TPRHC 1205

Part Number	Inductance (μH)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current
TPRHC 1205-1R3Y	1.3± 30%	1V/7.96M	0.012	8.00
TPRHC 1205-2R1Y	2.1± 30%	1V/7.96M	0.014	7.00
TPRHC 1205-3R1Y	3.1± 30%	1V/7.96M	0.017	6.00
TPRHC 1205-4R4Y	4.4± 30%	1V/7.96M	0.020	5.00
TPRHC 1205-5R8Y	5.8± 30%	1V/7.96M	0.021	4.40
TPRHC 1205-7R5Y	7.5± 30%	1V/7.96M	0.024	4.20
TPRHC 1205-100M	10± 20%	1V/1K	0.025	4.00
TPRHC 1205-120M	12± 20%	1V/1K	0.027	3.50
TPRHC 1205-150M	15± 20%	1V/1K	0.030	3.30
TPRHC 1205-180M	18± 20%	1V/1K	0.034	3.00
TPRHC 1205-220M	22± 20%	1V/1K	0.036	2.80
TPRHC 1205-270M	27± 20%	1V/1K	0.051	2.30
TPRHC 1205-330M	33± 20%	1V/1K	0.057	2.10
TPRHC 1205-390M	39± 20%	1V/1K	0.068	2.00
TPRHC 1205-470M	47± 20%	1V/1K	0.075	1.80
TPRHC 1205-560M	56± 20%	1V/1K	0.110	1.70
TPRHC 1205-680M	68± 20%	1V/1K	0.120	1.50
TPRHC 1205-820M	82± 20%	1V/1K	0.140	1.40
TPRHC 1205-101M	100± 20%	1V/1K	0.16	1.30
TPRHC 1205-121M	120± 20%	1V/1K	0.17	1.10
TPRHC 1205-151M	150± 20%	1V/1K	0.23	1.00
TPRHC 1205-181M	180± 20%	1V/1K	0.29	0.90
TPRHC 1205-221M	220± 20%	1V/1K	0.40	0.80
TPRHC 1205-271M	270± 20%	1V/1K	0.46	0.75
TPRHC 1205-331M	330± 20%	1V/1K	0.51	0.68
TPRHC 1205-391M	390± 20%	1V/1K	0.69	0.65
TPRHC 1205-471M	470± 20%	1V/1K	0.77	0.58
TPRHC 1205-561M	560± 20%	1V/1K	0.86	0.54
TPRHC 1205-681M	680± 20%	1V/1K	1.20	0.48
TPRHC 1205-821M	820± 20%	1V/1K	1.34	0.43
TPRHC 1205-102M	1000± 20%	1V/1K	1.53	0.40



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TPRHC 1207

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω) Max	Rated Current
TPRHC 1207-1R2Y	1.2 $\pm$ 30%	1V/100K	0.007	9.80
TPRHC 1207-2R4Y	2.4 $\pm$ 30%	1V/100K	0.012	8.00
TPRHC 1207-3R5Y	3.5 $\pm$ 30%	1V/100K	0.014	7.50
TPRHC 1207-4R7Y	4.7 $\pm$ 30%	1V/100K	0.016	6.80
TPRHC 1207-6R1Y	6.1 $\pm$ 30%	1V/100K	0.018	6.60
TPRHC 1207-7R6Y	7.6 $\pm$ 30%	1V/100K	0.020	5.90
TPRHC 1207-100M	10 $\pm$ 20%	1V/1K	0.022	5.40
TPRHC 1207-120M	12 $\pm$ 20%	1V/1K	0.024	4.90
TPRHC 1207-150M	15 $\pm$ 20%	1V/1K	0.027	4.50
TPRHC 1207-180M	18 $\pm$ 20%	1V/1K	0.039	3.90
TPRHC 1207-220M	22 $\pm$ 20%	1V/1K	0.043	3.60
TPRHC 1207-270M	27 $\pm$ 20%	1V/1K	0.046	3.40
TPRHC 1207-330M	33 $\pm$ 20%	1V/1K	0.065	3.00
TPRHC 1207-390M	39 $\pm$ 20%	1V/1K	0.073	2.75
TPRHC 1207-470M	47 $\pm$ 20%	1V/1K	0.100	2.50
TPRHC 1207-560M	56 $\pm$ 20%	1V/1K	0.110	2.35
TPRHC 1207-680M	68 $\pm$ 20%	1V/1K	0.140	2.10
TPRHC 1207-820M	82 $\pm$ 20%	1V/1K	0.160	1.95
TPRHC 1207-101M	100 $\pm$ 20%	1V/1K	0.220	1.70
TPRHC 1207-121M	120 $\pm$ 20%	1V/1K	0.250	1.60
TPRHC 1207-151M	150 $\pm$ 20%	1V/1K	0.280	1.42
TPRHC 1207-181M	180 $\pm$ 20%	1V/1K	0.350	1.30
TPRHC 1207-221M	220 $\pm$ 20%	1V/1K	0.390	1.16
TPRHC 1207-271M	270 $\pm$ 20%	1V/1K	0.560	1.06
TPRHC 1207-331M	330 $\pm$ 20%	1V/1K	0.640	0.95
TPRHC 1207-391M	390 $\pm$ 20%	1V/1K	0.700	0.88
TPRHC 1207-471M	470 $\pm$ 20%	1V/1K	0.980	0.79
TPRHC 1207-561M	560 $\pm$ 20%	1V/1K	1.070	0.73
TPRHC 1207-681M	680 $\pm$ 20%	1V/1K	1.460	0.67
TPRHC 1207-821M	820 $\pm$ 20%	1V/1K	1.640	0.60
TPRHC 1207-102M	1000 $\pm$ 20%	1V/1K	1.820	0.55