

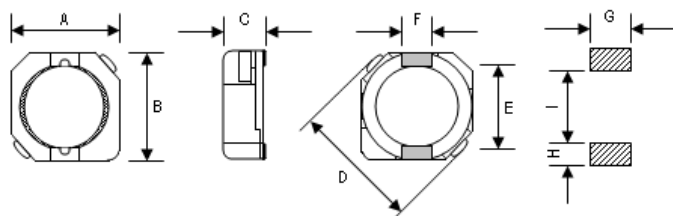
TPRH series

FEATURES

1. Magnetic Shielded surface mount inductor with high current rating.
2. Low resistance to keep power loss minimum.
3. Suitable for lead-free soldering.



DIMENSIONS



Size	A	B	C	D	E	F	G	H	I
TPRH1030	10.00±0.5	10.00±0.5	3.10 max	13.50 max	7.70±0.3	3.00	3.60	1.70	7.40
TPRH1040	10.00±0.5	10.00±0.5	4.10 max	13.50 max	7.70±0.3	3.00	3.60	1.70	7.40
TPRH1050	10.00±0.5	10.00±0.5	5.10 max	13.50 max	7.70±0.3	3.00	3.60	1.70	7.40

APPLICATIONS

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

PARTNUMBER

TPRH	1050	—	2R2	M	F	V
A	B	C	D	E	F	

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



Power Inductor

SMD /Shielded Type



TPRH 1030

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TPRH1030-1R5	1.5	100K	0.011	8.000
TPRH1030-2R2	2.2	100K	0.017	6.700
TPRH1030-3R3	3.3	100K	0.021	5.560
TPRH1030-4R7	4.7	100K	0.030	4.650
TPRH1030-6R8	6.8	100K	0.035	3.840
TPRH1030-8R2	8.2	100K	0.050	3.540
TPRH1030-100	10	100K	0.059	3.180
TPRH1030-150	15	100K	0.091	2.600
TPRH1030-220	22	100K	0.143	2.160
TPRH1030-270	27	100K	0.180	1.800
TPRH1030-330	33	100K	0.202	1.740
TPRH1030-390	39	100K	0.250	1.600
TPRH1030-470	47	100K	0.299	1.430
TPRH1030-560	56	100K	0.325	1.360
TPRH1030-680	68	100K	0.429	1.220
TPRH1030-820	82	100K	0.494	1.140
TPRH1030-101	100	100K	0.683	1.020
TPRH1030-121	120	100K	0.754	0.890
TPRH1030-151	150	100K	0.871	0.840

TPRH 1040

BW Part Number	Inductance (μH) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TPRH1040-1R0	1.0	100K	0.007	10.000
TPRH1040-1R5	1.5	100K	0.009	10.000
TPRH1040-2R5	2.5	100K	0.011	7.500
TPRH1040-3R8	3.8	100K	0.013	6.000
TPRH1040-5R2	5.2	100K	0.022	5.500
TPRH1040-6R8	6.8	100K	0.027	4.800
TPRH1040-100	10	100K	0.035	4.400
TPRH1040-150	15	100K	0.050	3.600
TPRH1040-220	22	100K	0.073	2.900
TPRH1040-330	33	100K	0.093	2.300
TPRH1040-470	47	100K	0.128	2.100
TPRH1040-560	56	100K	0.180	1.700
TPRH1040-680	68	100K	0.213	1.500
TPRH1040-101	100	100K	0.304	1.350
TPRH1040-151	150	100K	0.506	1.150
TPRH1040-221	220	100K	0.756	0.920
TPRH1040-331	330	100K	1.090	0.720

TPRH 1050

BW Part Number	Inductance (μ H) Tolerance	Test Frequency (Hz)	DCR (Ω) max.	Rated Current (A)
TPRH1050-1R5	1.5	100K	0.006	8.300
TPRH1050-2R2	2.2	100K	0.007	7.500
TPRH1050-3R3	3.3	100K	0.011	6.500
TPRH1050-4R7	4.7	100K	0.013	6.100
TPRH1050-6R8	6.8	100K	0.018	5.400
TPRH1050-8R2	8.2	100K	0.020	5.000
TPRH1050-100	10	100K	0.026	4.500
TPRH1050-120	12	100K	0.033	3.800
TPRH1050-150	15	100K	0.041	3.400
TPRH1050-180	18	100K	0.046	3.100
TPRH1050-220	22	100K	0.061	2.900
TPRH1050-270	27	100K	0.069	2.600
TPRH1050-330	33	100K	0.084	2.500
TPRH1050-390	39	100K	0.106	2.250
TPRH1050-470	47	100K	0.130	2.000
TPRH1050-560	56	100K	0.149	1.900
TPRH1050-680	68	100K	0.201	1.600
TPRH1050-820	82	100K	0.227	1.450
TPRH1050-101	100	100K	0.253	1.350