

SMD Type Power Inductors 晶片型功率電感

CHTPW Series

Unshielded Power Inductors 無護殼型



Features

- 1.Low profile very effective in space-conscious applications.
- 2.Low resistance and high energy storage.

Applications

Excellent as DC-DC Converter used in notebooks Computers,PDA and mobile handphnes.Step-up or Step-down converters,flash memory.

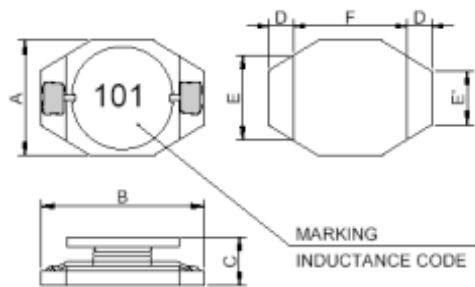
特徵

- 1· 高度扁薄，適用於空間顧慮的應用。
- 2· 低電阻及高能量儲存。

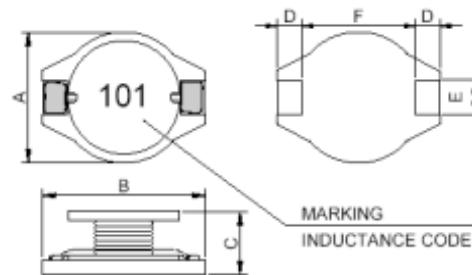
應用

1· 絕佳的筆記本電腦、個人數位助理和行動電話中直流-直流整流器，增壓或降壓整流器及快閃記憶體。

Dimensions



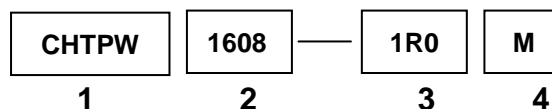
CHTPW 1608



CHTPW 2012, CHTPW 3308, CHTPW 3316
CHTPW 3340 & CHTPW 5022

Chip size						
Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
CHTPW1608	4.45max	6.60max	2.92max	1.02±0.2	1.27±0.2	4.32±0.3
CHTPW2012	8.00±0.2	10.5±0.2	5.00±0.3	2.10±0.2	2.00±0.2	6.00±0.3
CHTPW3308	10.0±0.2	12.7±0.2	3.00±0.3	2.40±0.2	2.20±0.2	7.60±0.3
CHTPW3316	10.0±0.2	12.7±0.2	5.00±0.3	2.40±0.2	2.20±0.2	7.60±0.3
CHTPW3340	10.0±0.2	12.7±0.2	11.0±0.5	2.40±0.2	2.20±0.2	7.60±0.3
CHTPW5022	15.0±0.3	18.4±0.3	7.00±0.5	2.40±0.2	2.20±0.2	13.3±0.3

Part Numbering



- 1 . Manufacturer name
- 2 . Series
- 3 . Dimension : A*C
- 4 . Inductance : 1R0 =1.0uH
- 5 . Inductance Tolerance : S=±0.3nH , J=±5% , K=±10% , M=±20%

CHTPW 1608 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF (MHz)typ	DCR (Ω)max	IDC (A)max	I sat (A)
CHTPW1608-1R0M	1.0	0.1V/100K	130.0	0.05	2.90	2.90
CHTPW1608-1R5M	1.5	0.1V/100K	115.0	0.05	2.60	2.60
CHTPW1608-2R2M	2.2	0.1V/100K	90.0	0.07	2.30	2.30
CHTPW1608-3R3M	3.3	0.1V/100K	70.0	0.08	2.00	2.00
CHTPW1608-4R7M	4.7	0.1V/100K	50.0	0.09	1.50	1.50
CHTPW1608-6R8M	6.8	0.1V/100K	45.0	0.13	1.20	1.20
CHTPW1608-100M	10	0.1V/100K	35.0	0.16	1.10	1.10
CHTPW1608-150M	15	0.1V/100K	30.0	0.23	0.90	0.90
CHTPW1608-220M	22	0.1V/100K	20.0	0.27	0.70	0.70
CHTPW1608-330M	33	0.1V/100K	15.0	0.51	0.58	0.58
CHTPW1608-470M	47	0.1V/100K	14.0	0.64	0.50	0.50
CHTPW1608-680M	68	0.1V/100K	11.0	0.86	0.50	0.50
CHTPW1608-101M	100	0.1V/100K	9.0	1.27	0.31	0.31
CHTPW1608-151M	150	0.1V/100K	6.0	2.00	0.27	0.27
CHTPW1608-221M	220	0.1V/100K	5.5	3.11	0.22	0.22
CHTPW1608-331M	330	0.1V/100K	5.0	3.80	0.18	0.18
CHTPW1608-471M	470	0.1V/100K	4.0	5.06	0.16	0.16
CHTPW1608-681M	680	0.1V/100K	3.0	9.20	0.14	0.14
CHTPW1608-102M	1000	0.1V/100K	2.0	13.80	0.10	0.10

CHTPW 2012 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF (MHz)typ	DCR (Ω)max	I rm (A)	I sat (A)
CHTPW2012-3R3M	3.3	0.1V/100K	50.0	0.03	3.70	7.00
CHTPW2012-4R7M	4.7	0.1V/100K	40.0	0.02	3.30	6.00
CHTPW2012-6R8M	6.8	0.1V/100K	30.0	0.05	2.70	5.00
CHTPW2012-100M	10	0.1V/100K	23.0	0.06	2.30	4.00
CHTPW2012-150M	15	0.1V/100K	20.0	0.08	2.10	3.00
CHTPW2012-220M	22	0.1V/100K	16.0	0.13	1.60	2.50
CHTPW2012-330M	33	0.1V/100K	12.0	0.18	1.30	2.00
CHTPW2012-470M	47	0.1V/100K	11.0	0.26	1.10	1.80
CHTPW2012-680M	68	0.1V/100K	9.0	0.35	1.00	1.50
CHTPW2012-101M	100	0.1V/100K	7.0	0.58	0.70	1.00
CHTPW2012-151M	150	0.1V/100K	5.0	0.75	0.60	0.90
CHTPW2012-221M	220	0.1V/100K	4.0	1.05	0.50	0.80
CHTPW2012-331M	330	0.1V/100K	3.5	1.60	0.45	0.60

Other non standard Inductance value are available to meet your exact requirements

- Note: 1. Inductance measured by LCR Meter HP 4294/HP4291 2. DCR measured by Milliohm meter CH502AC
 3. SRF measured by Network analyzer HP 4291/HP4291 4. SRF is for reference only
 5. Δ Temperature=40 °C max at I rms 6. Δ L/L0A=10%typical at I sat

CHTPW 3308 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF (MHz)typ	DCR (Ω)max	I _{rm} (A)	I _{sat} (A)
CHTPW3308-100M	10	0.1V/100K	35	0.11	2.00	2.40
CHTPW3308-150M	15	0.1V/100K	33	0.15	1.50	2.00
CHTPW3308-220M	22	0.1V/100K	25	0.23	1.30	1.60
CHTPW3308-330M	33	0.1V/100K	19	0.30	1.10	1.40
CHTPW3308-470M	47	0.1V/100K	14	0.39	0.80	1.00
CHTPW3308-680M	68	0.1V/100K	12	0.66	0.70	0.90
CHTPW3308-101M	100	0.1V/100K	10	0.84	0.60	0.70
CHTPW3308-151M	150	0.1V/100K	8.0	1.20	0.50	0.60
CHTPW3308-221M	220	0.1V/100K	6.0	1.90	0.40	0.50
CHTPW3308-331M	330	0.1V/100K	5.0	2.70	0.30	0.40
CHTPW3308-471M	470	0.1V/100K	4.0	4.00	0.20	0.20
CHTPW3308-681M	680	0.1V/100	3.0	5.30	0.10	0.20
CHTPW3308-102M	1000	0.1V/100	2.5	8.40	0.05	0.10

CHTPW 3316 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF (MHz)typ	DCR (Ω)max	I _{rm} (A)	I _{sat} (A)
CHTPW3316-1R0M	1.0	0.1V/100K	150	0.01	6.80	9.00
CHTPW3316-1R5M	1.5	0.1V/100K	100	0.01	6.40	8.00
CHTPW3316-2R2M	2.2	0.1V/100K	85	0.01	6.10	7.00
CHTPW3316-3R3M	3.3	0.1V/100K	60	0.02	5.40	5.80
CHTPW3316-4R7M	4.7	0.1V/100K	45	0.02	4.80	5.20
CHTPW3316-6R8M	6.8	0.1V/100K	35	0.03	4.40	4.30
CHTPW3316-100M	10	0.1V/100K	25	0.04	3.90	3.40
CHTPW3316-150M	15	0.1V/100K	20.0	0.05	3.10	3.00
CHTPW3316-220M	22	0.1V/100K	18	0.09	2.70	2.50
CHTPW3316-330M	33	0.1V/100K	14	0.10	2.10	2.00
CHTPW3316-470M	47	0.1V/100K	11	0.14	1.80	1.80
CHTPW3316-680M	68	0.1V/100K	10	0.20	1.50	1.40
CHTPW3316-101M	100	0.1V/100K	7	0.28	1.30	1.10
CHTPW3316-151M	150	0.1V/100K	6.5	0.40	1.00	0.90
CHTPW3316-221M	220	0.1V/100K	5.0	0.61	0.80	0.80
CHTPW3316-331M	330	0.1V/100K	4.0	1.02	0.60	0.60
CHTPW3316-471M	470	0.1V/100K	3.0	1.27	0.50	0.50
CHTPW3316-681M	680	0.1V/100K	2.5	2.02	0.40	0.40
CHTPW3316-102M	1000	0.1V/100K	2.0	3.00	0.30	0.30

Other non standard Inductance value are available to meet your exact requirements

- Note: 1. Inductance measured by LCR Meter HP 4294/HP4291
 2. DCR measured by Milliohm meter CH502AC
 3. SRF measured by Network analyzer HP 4291/HP4291
 4. SRF is for reference only
 5. ΔTemperature=40 °C max at I_{rms}
 6. ΔL/L0A=10%typical at I_{sat}

CHTPW 3340 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF (MHz)typ	DCR (Ω)max	I _{rm} (A)	I _{sat} (A)
CHTPW3340-100M	10	0.1V/100K	23	0.040	3.50	7.00
CHTPW3340-150M	15	0.1V/100K	14.0	0.050	3.20	5.80
CHTPW3340-220M	22	0.1V/100K	8.5	0.066	2.90	4.80
CHTPW3340-330M	33	0.1V/100K	7	0.080	2.35	3.80
CHTPW3340-470M	47	0.1V/100K	6.5	0.110	2.10	3.40
CHTPW3340-680M	68	0.1V/100K	4.5	0.170	1.90	2.70
CHTPW3340-101M	100	0.1V/100K	4	0.220	1.55	2.20
CHTPW3340-151M	150	0.1V/100K	3.0	0.340	1.35	1.90
CHTPW3340-221M	220	0.1V/100K	2.5	0.440	1.00	1.40
CHTPW3340-331M	330	0.1V/100K	2.3	0.700	0.90	1.30
CHTPW3340-471M	470	0.1V/100K	2.0	0.950	0.75	1.00
CHTPW3340-681M	680	0.1V/100K	1.5	1.200	0.55	0.90
CHTPW3340-102M	1000	0.1V/100K	1.3	2.000	0.50	0.70

CHTPW 5022 Series

Part Number	Inductance (uH)	Test Frequency (Hz)	SRF (MHz)typ	DCR (Ω)max	I _{rm} (A)	I _{sat} (A)
CHTPW5022-1R0M	1.0	0.1V/100K	140	0.009	8.60	20.00
CHTPW5022-1R5M	1.5	0.1V/100K	110	0.012	7.50	18.00
CHTPW5022-2R2M	2.2	0.1V/100K	75	0.014	7.10	16.00
CHTPW5022-3R3M	3.3	0.1V/100K	70	0.018	6.20	14.00
CHTPW5022-5R6M	5.6	0.1V/100K	45	0.020	5.30	12.00
CHTPW5022-100M	10	0.1V/100K	21	0.031	4.30	10.00
CHTPW5022-150M	15	0.1V/100K	16.0	0.036	4.00	8.00
CHTPW5022-220M	22	0.1V/100K	13	0.047	3.50	7.00
CHTPW5022-330M	33	0.1V/100K	11	0.066	3.00	5.50
CHTPW5022-470M	47	0.1V/100K	9	0.086	2.60	4.50
CHTPW5022-680M	68	0.1V/100K	6.5	0.130	2.30	3.50
CHTPW5022-101M	100	0.1V/100K	5.7	0.190	1.80	3.00
CHTPW5022-151M	150	0.1V/100K	4.5	0.250	1.50	2.60
CHTPW5022-221M	220	0.1V/100K	3.7	0.380	1.20	2.40
CHTPW5022-331M	330	0.1V/100K	3.0	0.560	1.00	1.90
CHTPW5022-471M	470	0.1V/100K	2.7	0.850	0.82	1.40
CHTPW5022-681M	680	0.1V/100K	2.2	1.100	0.72	1.20
CHTPW5022-102M	1000	0.1V/100K	2.0	1.300	0.56	1.00

Other non standard Inductance value are available to meet your exact requirements

- Note: 1. Inductance measured by LCR Meter HP 4294/HP4291
 2. DCR measured by Milliohm meter CH502AC
 3. SRF measured by Network analyzer HP 4291/HP4291
 4. SRF is for reference only
 5. Δ Temperature=40 °C max at I_{rms}
 6. Δ L/L0A=10%typical at I_{sat}