

大电流贴片电感

Unshielded SMD Power Inductors

Operating Temp: -20°C ~ 85°C



特征:

- 微型的表面贴装设计。
- 具有高功率，强力高饱和电感器。
- 具有很低的阻力。
- 具有最大功率密度。
- 理想的感应器是一个直流电的转换。
- 有标准易燃性。
- 可利用的磁带和自动卷轴表面的设置。

FEATURES:

- Miniature surface mount design.
- High power, High saturation inductors.
- Very low resistance.
- Maximum power density.
- Ideal inductors for DC-DC conversion
- Meets UL94V-0 flammability standard.
- Available on tape and reel for auto surface mounting.

用途:

- 便携式电脑。
- 液晶电视。
- DC/DC 变压器之电源供应器等。
- 录音机。
- 其它各种电子电器。

APPLICATIONS:

- Portable computers.
- LCD televisions.
- DC/Dc converters, etc.
- Power supply for VTRs.
- Other various electronic appliances.

产品型号:

PRODUCT IDENTIFICATION:

YKCDH

1105H

4R7

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类型 Type	
YKCDH	大电流贴片电感 Unshielded SMT Power Inductors

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外形尺寸(LxH) (mm) External Dimensions (LxH) (mm)	
1105	19.4x6.8

③

Inductance
4.7 uH

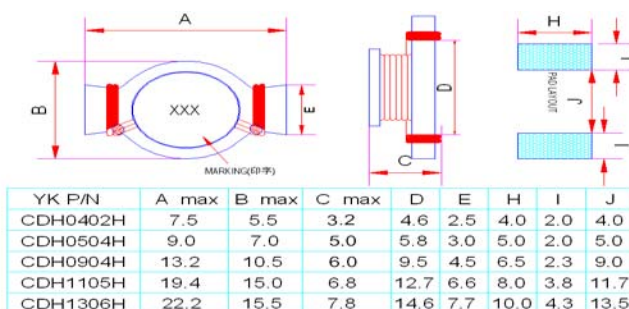
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Tolerance
J: ±5%, K: ±10%, L: ±15% M: ±20%, P: ±25%, N: ±30%

⑤

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

Shape and Size(Dimension are in mm):



Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
YKCDH0402H-R47N	0.47	M	1MHz	20	1MHz	0.025	6.0	7.7
YKCDH0402H-1R0N	1.0	M	1MHz	20	1MHz	0.050	2.9	2.9
YKCDH0402H-1R5N	1.5	M	1MHz	20	1MHz	0.050	2.8	2.6
YKCDH0402H-2R2N	2.2	M	1MHz	20	1MHz	0.070	2.4	2.3
YKCDH0402H-3R3N	3.3	M	1MHz	20	1MHz	0.080	2.0	2.0
YKCDH0402H-4R7N	4.7	K,J	1MHz	30	1MHz	0.090	1.5	1.5
YKCDH0402H-6R8N	6.8	K,J	1MHz	35	1MHz	0.130	1.4	1.2
YKCDH0402H-100N	10	K,J	1MHz	35	1MHz	0.160	1.1	1.1
YKCDH0402H-150N	15	K,J	1MHz	35	1MHz	0.230	1.0	0.9
YKCDH0402H-220N	22	K,J	1MHz	35	1MHz	0.370	0.8	0.7

YKCDH0504H Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
YKCDH0504H-R47N	0.47	M	1MHz	20	1MHz	0.010	6.0	7.7
YKCDH0504H-1R0N	1.0	M	1MHz	20	1MHz	0.018	4.4	5.3
YKCDH0504H-1R5N	1.5	M	1MHz	20	1MHz	0.020	4.2	4.5
YKCDH0504H-2R2N	2.2	M	1MHz	20	1MHz	0.037	3.1	3.5
YKCDH0504H-3R3N	3.3	M	1MHz	20	1MHz	0.043	2.9	3.0
YKCDH0504H-4R7N	4.7	K,J	1MHz	30	1MHz	0.055	2.2	2.6
YKCDH0504H-6R8N	6.8	K,J	1MHz	35	1MHz	0.090	1.7	2.2
YKCDH0504H-100N	10	K,J	1MHz	35	1MHz	0.111	1.5	1.9
YKCDH0504H-150N	15	K,J	1MHz	35	1MHz	0.175	1.2	1.5
YKCDH0504H-220N	22	K,J	1MHz	35	1MHz	0.255	1.0	1.2
YKCDH0504H-330N	33	K,J	1MHz	35	1MHz	0.367	0.82	0.99
YKCDH0504H-470N	47	K,J	1MHz	35	1MHz	0.474	0.72	0.87
YKCDH0504H-680N	68	K,J	1MHz	35	1MHz	0.750	0.58	0.67
YKCDH0504H-101M	100	K,J	1MHz	40	0.796MHz	1.110	0.47	0.53

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
YKCDH0904H-R47N	0.47	M	1MHz	20	1MHz	0.005	10.6	11.4
YKCDH0904H-1R0N	1.0	M	1MHz	20	1MHz	0.007	9.3	9.9
YKCDH0904H-1R5N	1.5	M	1MHz	20	1MHz	0.009	8.3	7.9
YKCDH0904H-2R2N	2.2	M	1MHz	20	1MHz	0.011	7.2	6.1
YKCDH0904H-3R3N	3.3	M	1MHz	20	1MHz	0.013	6.5	5.1
YKCDH0904H-4R7N	4.7	K,J	1MHz	30	1MHz	0.017	5.5	4.2
YKCDH0904H-6R8N	6.8	K,J	1MHz	35	1MHz	0.021	5.0	3.6
YKCDH0904H-100N	10	K,J	1MHz	35	1MHz	0.028	4.3	3.3
YKCDH0904H-150N	15	K,J	1MHz	35	1MHz	0.041	3.5	2.4
YKCDH0904H-220N	22	K,J	1MHz	35	1MHz	0.062	2.8	2.0
YKCDH0904H-330N	33	K,J	1MHz	35	1MHz	0.092	2.1	1.7
YKCDH0904H-470N	47	K,J	1MHz	35	1MHz	0.139	1.7	1.4
YKCDH0904H-680N	68	K,J	1MHz	35	1MHz	0.179	1.5	1.2
YKCDH0904H-101M	100	K,J	1MHz	40	0.796MHz	0.271	1.2	0.95

YKCDH1105H Series

Part No.	Inductance(uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
YKCDH1105H-R47N	0.47	M	1MHz	20	1MHz	0.003	16.0	25.1
YKCDH1105H-1R0N	1.0	M	1MHz	20	1MHz	0.004	12.5	15.3
YKCDH1105H-1R5N	1.5	M	1MHz	20	1MHz	0.006	10.0	12.0
YKCDH1105H-2R2N	2.2	M	1MHz	20	1MHz	0.008	9.2	10.2
YKCDH1105H-3R3N	3.3	M	1MHz	20	1MHz	0.009	8.0	9.3
YKCDH1105H-4R7N	4.7	K,J	1MHz	30	1MHz	0.012	6.5	7.7
YKCDH1105H-6R8N	6.8	K,J	1MHz	35	1MHz	0.019	5.8	6.2
YKCDH1105H-100N	10	K,J	1MHz	35	1MHz	0.027	4.3	5.2
YKCDH1105H-150N	15	K,J	1MHz	35	1MHz	0.032	3.9	4.3
YKCDH1105H-220N	22	K,J	1MHz	35	1MHz	0.050	3.1	3.7
YKCDH1105H-330N	33	K,J	1MHz	35	1MHz	0.069	2.4	3.0
YKCDH1105H-470N	47	K,J	1MHz	35	1MHz	0.109	1.9	2.4
YKCDH1105H-680N	68	K,J	1MHz	35	1MHz	0.156	1.6	2.0
YKCDH1105H-101M	100	K,J	1MHz	40	0.796MHz	0.206	1.4	1.8

Part No.	Inductance(uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max	
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		1 sat	1 rms
YKCDH1306H-R47N	0.47	M	1MHz	20	1MHz	0.002	19.3	51.7
YKCDH1306H-1R0N	1.0	M	1MHz	20	1MHz	0.003	17.3	37.8
YKCDH1306H-1R5N	1.5	M	1MHz	20	1MHz	0.004	13.4	28.9
YKCDH1306H-2R2N	2.2	M	1MHz	20	1MHz	0.005	12.0	23.7
YKCDH1306H-3R3N	3.3	M	1MHz	20	1MHz	0.006	11.0	20.2
YKCDH1306H-4R7N	4.7	K,J	1MHz	30	1MHz	0.010	8.6	15.6
YKCDH1306H-6R8N	6.8	K,J	1MHz	35	1MHz	0.015	8.3	14.1
YKCDH1306H-100N	10	K,J	1MHz	35	1MHz	0.020	6.8	11.5
YKCDH1306H-150N	15	K,J	1MHz	35	1MHz	0.030	5.5	9.1
YKCDH1306H-220N	22	K,J	1MHz	35	1MHz	0.040	4.5	7.6
YKCDH1306H-330N	33	K,J	1MHz	35	1MHz	0.060	3.7	6.1
YKCDH1306H-470N	47	K,J	1MHz	35	1MHz	0.074	3.1	5.2
YKCDH1306H-680N	68	K,J	1MHz	35	1MHz	0.120	2.4	4.3
YKCDH1306H-101M	100	K,J	1MHz	40	0.796MHz	0.170	2.0	3.6