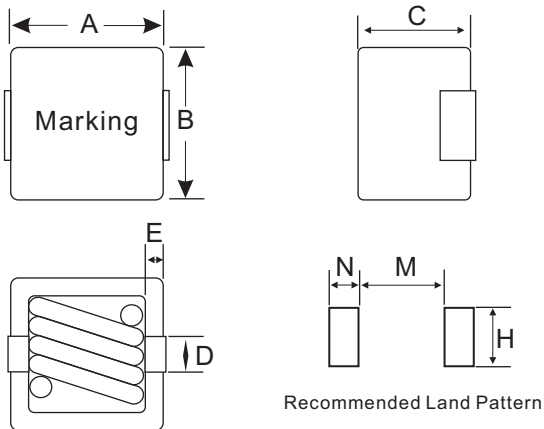


SMT High Current Cube Inductors



Dimensions and Footprint (Unit:mm)								
Type	A(Max)	B(Max)	C(Max)	D	E	N(Ref.)	M(Ref.)	H(Ref.)
DHCI0807	8.8	8.4	7.5	2.3±0.2	1.5±0.2	2.3	4.4	3
DHCI1009	11.3	10.3	9.5	3.0±0.2	1.6±0.2	2.3	6.9	3.6
DHCI1210	12.3	11.7	10	3.5±0.2	2.0±0.3	2.9	7	5.4

Description

- Shielded construction.
- High current rating up to DC 27 amp.
- Very low DC resistance.
- ROHS compliant.
- Applications: Single and polyphase buck converter, Filter choke,DC/DC converter.

Part Number Code

DHCI0807-R30M

Inductance

Dimensions

Series Name

Electrical Specifications-DHCI0807

Part Number	Inductance(uH) (±20%)	DCR (mΩ) (Max.)	IDC(A) (Max)	Isat(A) (Max)	SRF(MHz)
DHCI0807-R30M	0.3	2.7	20.5	36.0	272.0
DHCI0807-R47M	0.47	3.1	19.0	32.0	232.0
DHCI0807-R68M	0.68	3.1	19.0	23.5	181.0
DHCI0807-1R0M	1.0	3.9	17.0	24.0	147.0
DHCI0807-1R5M	1.5	5.6	16.5	18.5	120.0
DHCI0807-2R2M	2.2	5.6	16.5	12.5	97.0
DHCI0807-3R3M	3.3	8.2	14.0	8.5	81.0
DHCI0807-4R7M	4.7	13.5	7.5	8.0	45.0
DHCI0807-6R8M	6.8	24.0	5.5	7.5	37.0
DHCI0807-100M	10	41.0	4.4	7.0	29.0

Electrical Specifications-DHCI1009

Part Number	Inductance(uH) (±20%)	DCR (mΩ) (Max.)	IDC(A) (Max)	Isat(A) (Max)	SRF(MHz)
DHCI1009-R22M	0.22	1.6	21.5	60.0	300
DHCI1009-R33M	0.33	1.6	21.5	55.0	250
DHCI1009-R47M	0.47	1.85	20.5	47.0	160
DHCI1009-R68M	0.68	2.65	20.0	38.0	140
DHCI1009-R82M	0.82	2.65	20.0	36.0	120
DHCI1009-1R0M	1.0	2.65	20.0	27.5	100
DHCI1009-1R5M	1.5	4.00	18.0	27.0	78
DHCI1009-2R2M	2.2	4.80	16.5	22.0	80
DHCI1009-3R3M	3.3	7.15	14.0	15.5	51
DHCI1009-4R7M	4.7	9.90	13.0	15.0	49
DHCI1009-6R8M	6.8	15.00	11.5	11.0	40
DHCI1009-8R2M	8.2	15.00	11.5	8.0	36
DHCI1009-100M	10	23.10	9.0	8.0	35

Electrical Specifications-DHCI1210

Part Number	Inductance(uH) (±20%)	DCR (mΩ) (Max.)	IDC(A) (Max)	Isat(A) (Max)	SRF(MHz)
DHCI1210-R22M	0.22	1.5	27.0	60	280
DHCI1210-R33M	0.33	1.5	27.0	55	214
DHCI1210-R47M	0.47	1.85	26.0	48	138
DHCI1210-R68M	0.68	1.85	26.0	38	108
DHCI1210-R82M	0.82	2.50	24.0	36	99
DHCI1210-1R0M	1.0	2.50	24.0	32	96
DHCI1210-1R5M	1.5	3.50	19.5	27	92
DHCI1210-2R2M	2.2	4.30	18.0	23	64
DHCI1210-3R3M	3.3	5.70	17.0	17	44
DHCI1210-4R7M	4.7	7.90	15.5	17	43
DHCI1210-6R8M	6.8	11.0	13.0	13	42
DHCI1210-8R2M	8.2	11.8	13.0	12	34
DHCI1210-100M	10	16.7	9.0	10	29