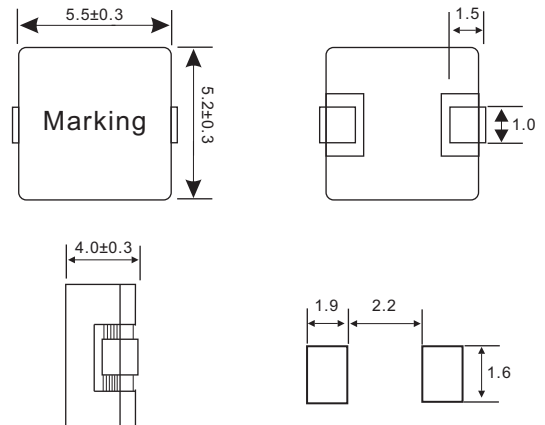


SMD High Current Inductors



[Unit:mm]

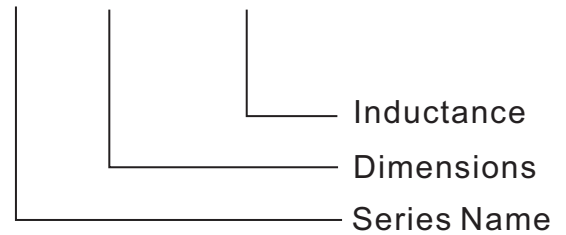
Recommended Land Pattern

Description

- Shielded construction: Excellent resistance to electro magnetic interference(EMI)
- Flat wire winding, achieve a low DCR.
- Low loss,high efficiency,wide application frequency and application scope.
- Lightweight design, save space,suitable for high density SMT.
- Operating temperature: -40°C~+150°C.
- AEC-Q200 compliance.

Part Number Code

DHIQ0504-R32N

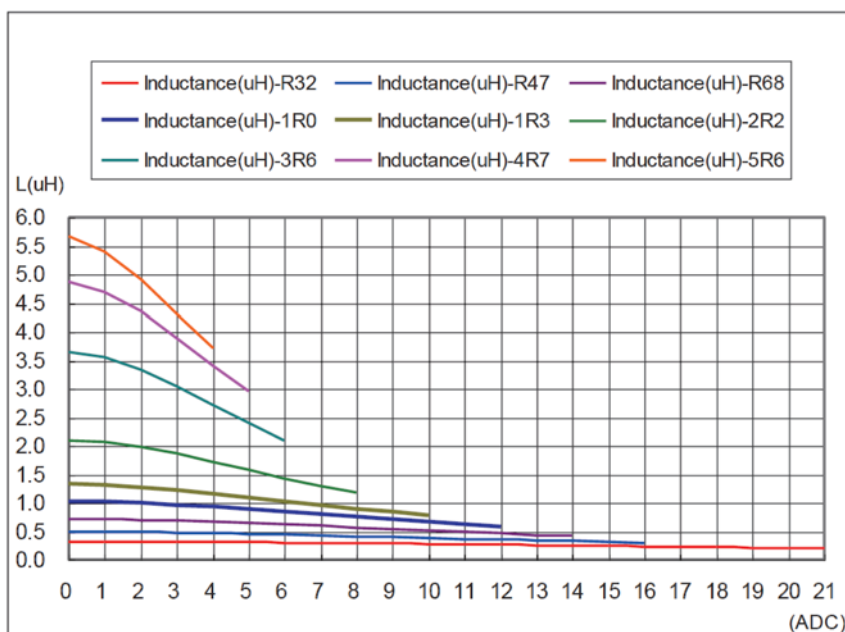


Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	@ 0 adc(±20%)	(Typ.)			
DHIQ0504-R32N	0.32±30%	0.21	1.88	21.0	17.0
DHIQ0504-R47M	0.47	0.31	3.0	16.5	13.5
DHIQ0504-R68M	0.68	0.42	4.2	14.0	10.5
DHIQ0504-1R0M	1.0	0.6	5.3	12.0	9.0
DHIQ0504-1R3M	1.3	0.8	7.6	9.5	7.5
DHIQ0504-2R2M	2.2	1.1	11.3	8.2	6.0
DHIQ0504-3R6M	3.6	2.2	18.3	5.8	4.5
DHIQ0504-4R7M	4.7	2.9	25.0	5.0	4.0
DHIQ0504-5R6M	5.6	3.4	30.4	4.5	4.0

- The Isat indicates the value of DC current is approximately 30% lower than its initial value of inductance.
- Δ T=50°C, approximately under the temperature rise current.
- Inductance Tested at 100KHz, 1Vrms

Inductance VS DC Bias:



Temperature Rise VS DC Bias:

