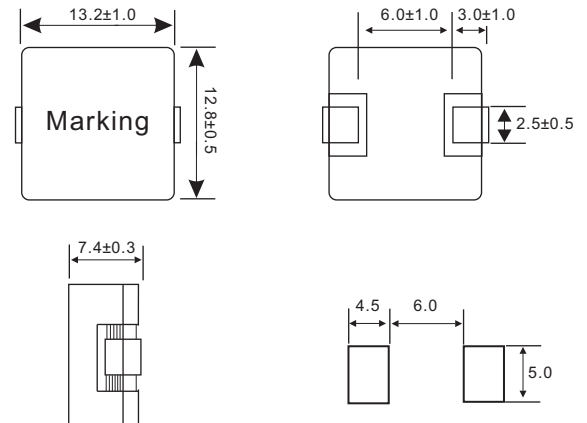


SMD High Current Inductors



[Unit:mm]

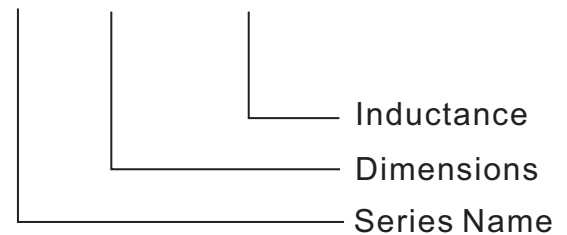
Recommended Land Pattern

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

DHIQ1307-R46N



Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1307-R46N	0.46±30%	0.44	0.42	30.0	53.0
DHIQ1307-R85M	0.85	0.72	0.90	29.0	41.0
DHIQ1307-1R3M	1.30	1.10	1.35	24.0	33.0
DHIQ1307-2R0M	2.00	1.60	1.95	21.0	26.0
DHIQ1307-3R3M	3.30	2.7	3.50	17.0	21.0
DHIQ1307-4R7M	4.70	3.7	4.40	15.0	18.0
DHIQ1307-5R6M	5.60	4.7	6.00	12.5	16.0
DHIQ1307-6R8M	6.80	5.4	7.00	11.5	14.5
DHIQ1307-8R2M	8.20	6.6	8.60	10.5	13.5
DHIQ1307-100M	10.00	7.8	9.3	10.0	13.0

- The Isat indicates the value of DC current is approximately 30% lower than its initial value of inductance.
- Δ T=40°C, approximately under the temperature rise current.
- Inductance Tested at 100KHz, 1Vrms

Temperature Rise VS DC Bias:

