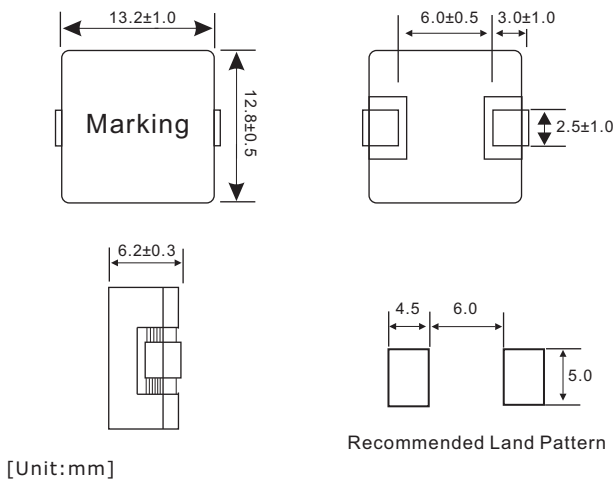


SMD High Current Inductors

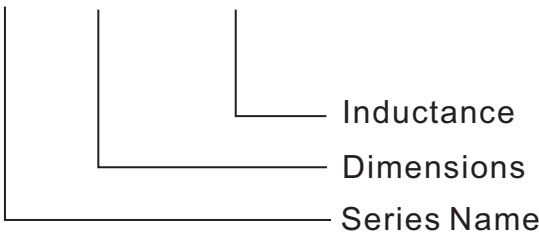


Description

- 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: $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$.
- AEC-Q200 compliance.

Part Number Code

DHIQ1306-R36M



Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1306-R36M	0.36	0.47	0.64	32.0	44.0
DHIQ1306-R55M	0.55	0.60	0.68	30.0	40.0
DHIQ1306-R60M	0.60	0.65	0.68	30.0	40.0
DHIQ1306-1R5M	1.50	2.10	1.70	21.0	26.0
DHIQ1306-2R2M	2.20	3.0	2.50	17.0	23.0
DHIQ1306-3R0M	3.00	4.0	3.40	15.0	18.0
DHIQ1306-3R8M	3.80	5.4	4.90	14.0	14.5
DHIQ1306-5R0M	5.00	7.4	5.90	12.0	10.5
DHIQ1306-6R3M	6.30	9.2	7.60	10.5	9.8
DHIQ1306-7R9M	7.90	11.3	9.1	9.5	9.0
DHIQ1306-9R3M	9.30	13.0	11.0	8.5	8.0
DHIQ1306-110M	11.50	15.4	14.00	7.0	7.5

Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1306-140M	14.00	18.0	22.00	6.6	7.5
DHIQ1306-160M	16.00	22.0	24.3	6.0	6.5
DHIQ1306-230M	23.00	33.0	30.5	5.3	5.3

- The Isat indicates the value of DC current is approximately 30% lower than its initial value of inductance.
- $\Delta T=40^{\circ}\text{C}$, approximately under the temperature rise current.
- Inductance Tested at 100KHz, 1Vrms