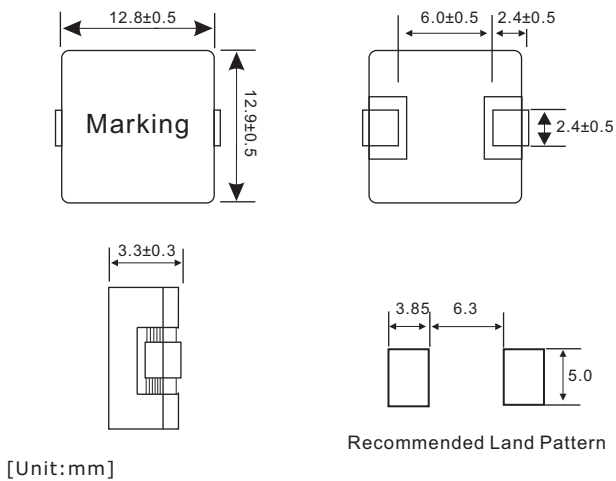


SMD High Current Inductors

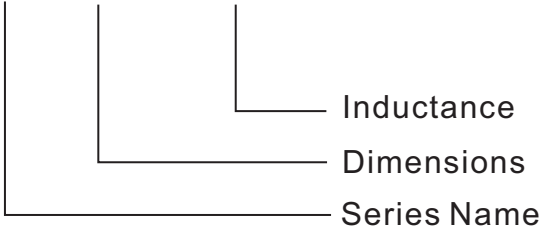


Description

- 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°C~+150°C.
- AEC-Q200 compliance.

Part Number Code

DHIQ1303-R25N



Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1303-R25N	0.25±30%	0.23	0.75	21.0	40.0
DHIQ1303-R68M	0.68	0.56	1.58	20.0	32.0
DHIQ1303-1R2M	1.20	0.95	2.85	15.5	15.0
DHIQ1303-1R8M	1.80	1.50	5.60	11.5	11.0
DHIQ1303-2R2M	2.20	1.88	5.70	12.0	14.0
DHIQ1303-3R3M	3.30	2.70	8.10	11.0	12.0
DHIQ1303-4R7M	4.70	4.00	13.30	7.5	9.0

- 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

Inductance VS DC Bias:

