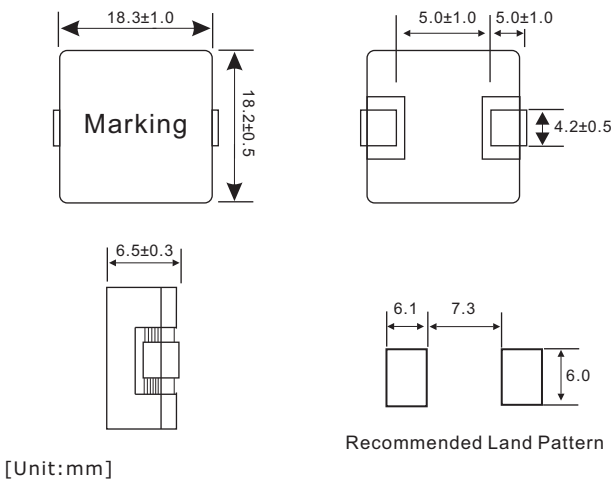


SMD High Current Inductors

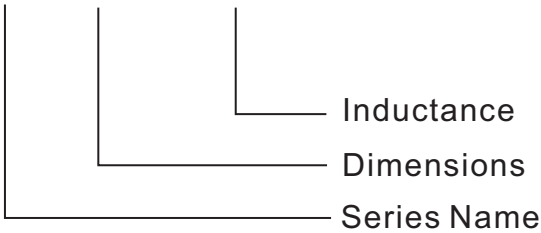


Description

- 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

DHIQ1806-R23N



Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1806-R23N	0.23±30%	0.22	0.28	34.0	70.0
DHIQ1806-R56M	0.56	0.55	0.57	28.0	65.0
DHIQ1806-1R1M	1.10	0.90	0.90	26.0	42.0
DHIQ1806-1R8M	1.80	1.5	1.50	22.0	32.0
DHIQ1806-2R5M	2.50	2.2	2.20	21.5	28.0
DHIQ1806-3R3M	3.30	3.00	3.00	20.0	25.0
DHIQ1806-4R7M	4.70	2.85	3.85	18.0	20.0

- 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:

