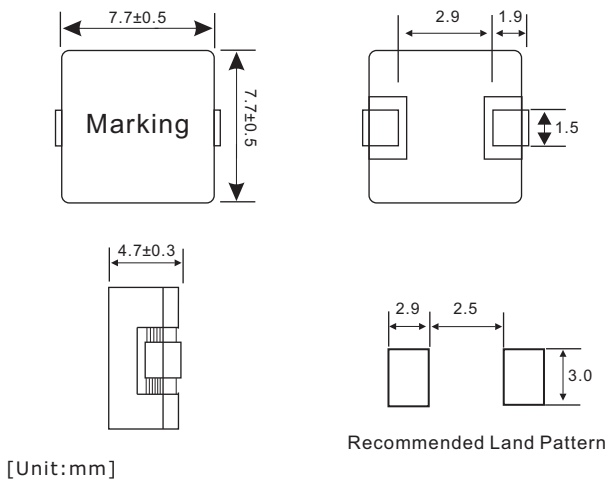


SMD High Current Inductors

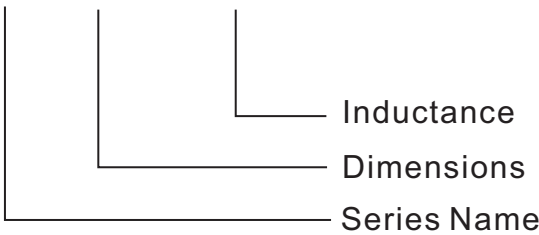


Description

- 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

DHIQ0805-R28N



Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ0805-R28N	0.28±30%	0.24	0.80	23.0	35.0
DHIQ0805-R52M	0.52±30%	0.43	1.40	17.0	25.5
DHIQ0805-R85M	0.85	0.65	2.15	16.5	20.0
DHIQ0805-1R3M	1.30	1.00	3.50	13.5	15.5
DHIQ0805-1R8M	1.80	1.35	4.55	11.5	11.5
DHIQ0805-2R4M	2.40	1.80	5.8	10.0	9.5
DHIQ0805-3R1M	3.10	2.30	7.5	9.5	10.0
DHIQ0805-3R8M	3.80	2.75	9.7	8.5	8.5
DHIQ0805-4R7M	4.70	3.45	12.5	7.50	7.5
DHIQ0805-5R6M	5.60	3.90	13.3	7.3	6.4
DHIQ0805-6R8M	6.80	4.90	16.4	6.5	6.0
DHIQ0805-7R9M	7.90	5.80	21.2	5.6	5.5

Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ0805-9R1M	9.1	6.90	24.8	5.0	4.9

- 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