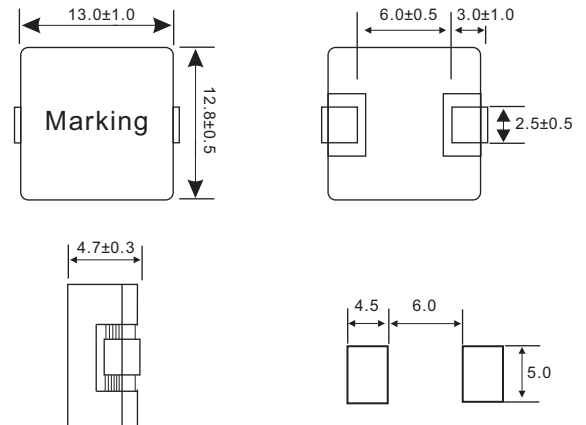


SMD High Current Inductors



[Unit:mm]

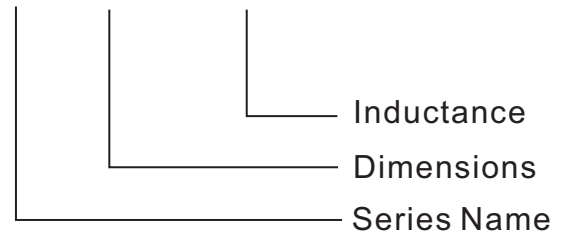
Recommended Land Pattern

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

DHIQ1305-R27N

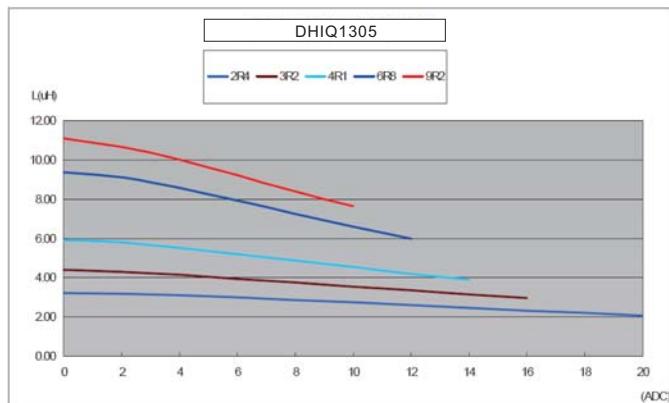
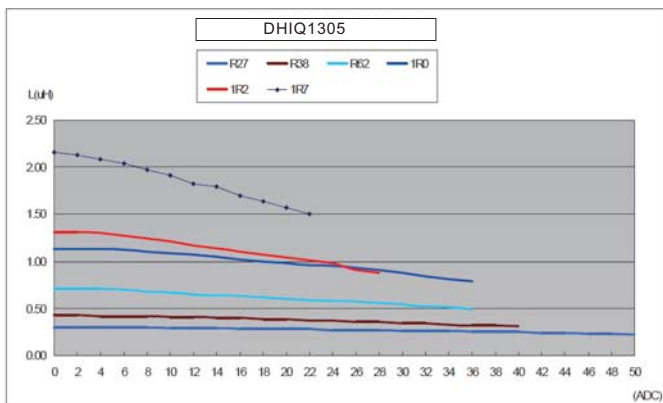


Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1305-R27N	0.27±30%	0.30	0.58	30.0	50.0
DHIQ1305-R38M	0.38	0.47	0.90	26.0	34.0
DHIQ1305-R62M	0.62	0.72	1.08	25.0	31.0
DHIQ1305-1R0M	1.00	1.10	1.62	25.0	30.0
DHIQ1305-1R2M	1.20	1.4	1.62	18.0	24.0
DHIQ1305-1R7M	1.70	2.2	2.34	17.0	21.0
DHIQ1305-2R4M	2.40	3.2	3.60	15.0	17.0
DHIQ1305-3R2M	3.20	4.3	5.30	14.0	15.0
DHIQ1305-4R1M	4.10	6.0	7.00	13.0	13.0
DHIQ1305-6R8M	6.80	9.2	11.8	10.0	10.0
DHIQ1305-9R2M	9.20	12.0	15.0	7.0	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:



Temperature Rise VS DC Bias:

