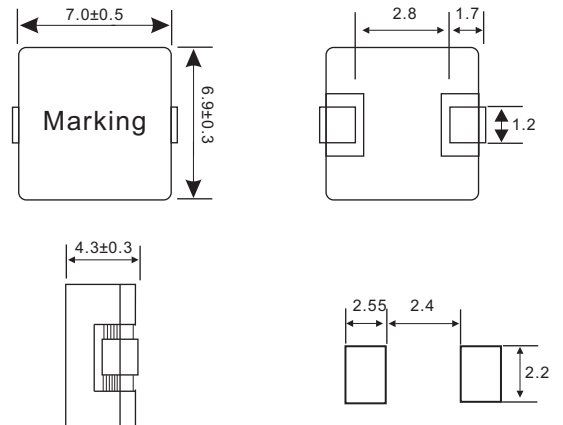


SMD High Current Inductors



[Unit:mm]

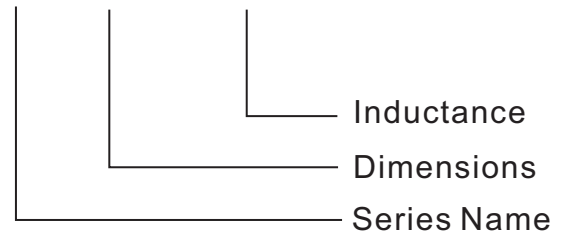
Recommended Land Pattern

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

DHIQ0704-R22M

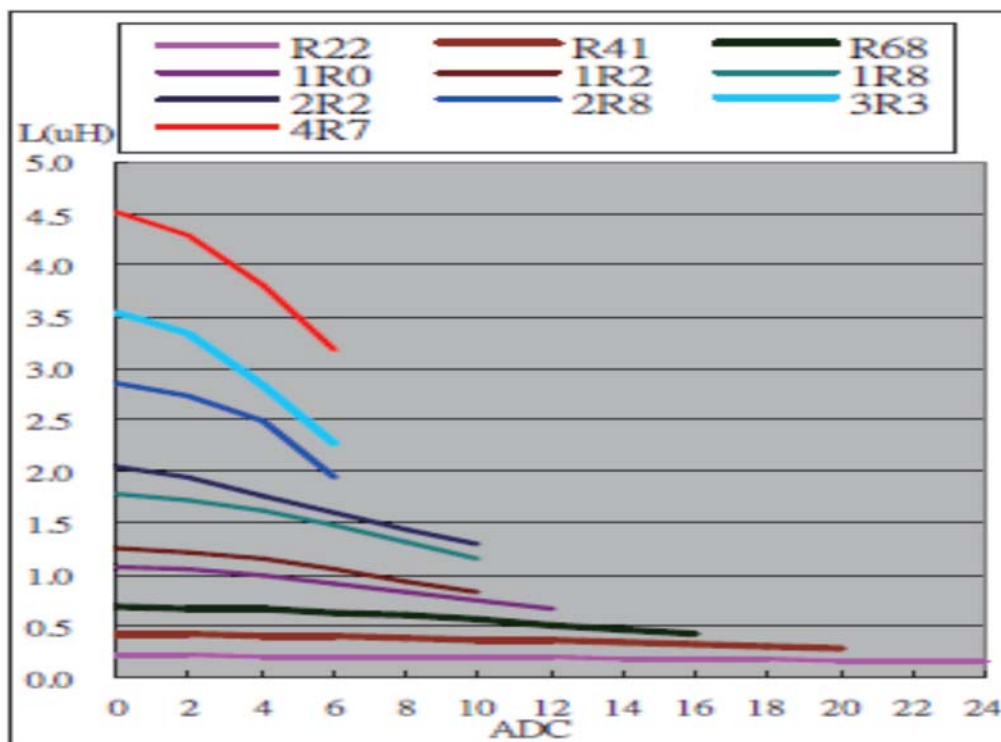


Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	I _{rms} (Max) (A)	I _{sat} (Max) (A)
	(±20%)	Typ.			
DHIQ0704-R22N	0.22±30%	0.17	1.02	21.0	24.5
DHIQ0704-R41N	0.41±30%	0.31	1.75	17.5	18.5
DHIQ0704-R68M	0.68	0.44	2.45	15.5	13.0
DHIQ0704-1R0M	1.00	0.66	3.7	12.5	9.0
DHIQ0704-1R2M	1.20	0.82	5.8	10.0	8.5
DHIQ0704-1R8M	1.80	1.25	7.3	9.0	8.0
DHIQ0704-2R2M	2.20	1.50	8.1	8.7	7.5
DHIQ0704-2R8M	2.8	1.95	11.5	6.8	5.8
DHIQ0704-3R3M	3.3	2.4	15.6	5.75	5.5
DHIQ0704-4R7M	4.7	3.7	20.0	5.3	5.5

- The I_{sat} 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, 1V_{rms}

Inductance VS DC Bias:



DHIQ0704