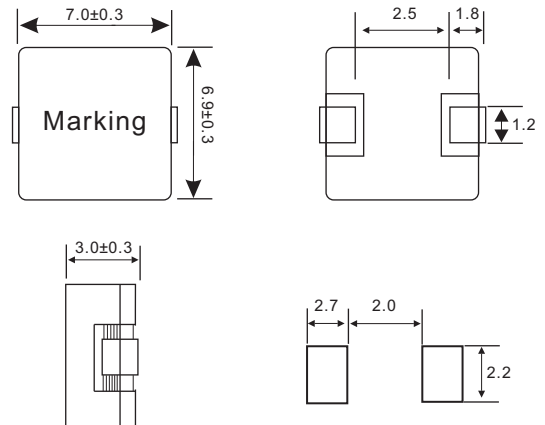


SMD High Current Inductors



[Unit:mm]

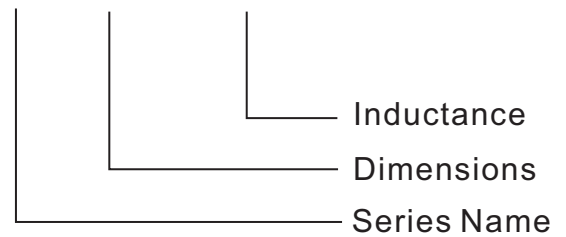
Recommended Land Pattern

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

DHIQ0703-R12M

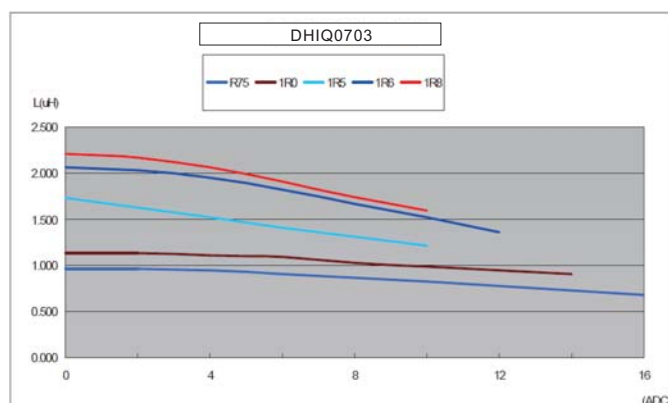
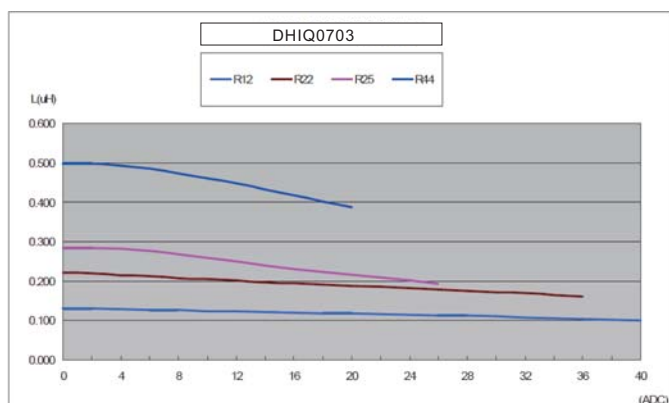


Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	Typ.	(±20%)			
DHIQ0703-R12N	0.11	0.12	0.91	22.0	32.0
DHIQ0703-R22M	0.19	0.22	1.6	20.0	30.0
DHIQ0703-R25M	0.22	0.25	1.6	19.0	25.0
DHIQ0703-R44M	0.41	0.4	3.7	14.0	18.0
DHIQ0703-R75M	0.70	0.75	6.2	9.5	13.0
DHIQ0703-1R0M	0.90	1.0	8.0	8.5	11.0
DHIQ0703-1R5M	1.20	1.5	13.5	5.5	9.0
DHIQ0703-1R6M	1.4	1.6	13.5	5.5	9.0
DHIQ0703-1R8M	1.6	1.8	17.2	5.5	9.0

- The Isat indicates the value of DC current is approximately 30% lower than its initial value of inductance.
- Δ T=45°C, approximately under the temperature rise current.
- Inductance Tested at 100KHz, 1Vrms

Inductance VS DC Bias:



Temperature Rise VS DC Bias:

