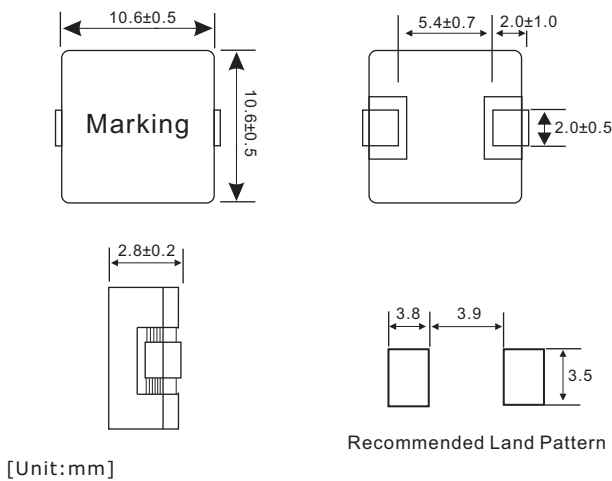


SMD High Current Inductors

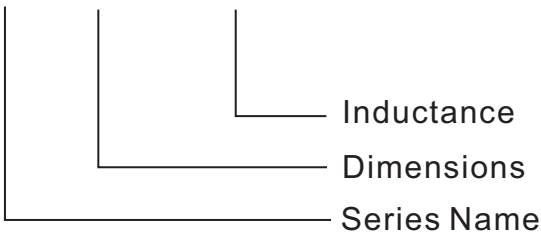


Description

- 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

DHIQ1003-R20N



Electrical Specifications

Part Number	Inductance(uH)		DCR (mΩ) (±10%)	Irms(Max) (A)	Isat(Max) (A)
	(±20%)	Typ.			
DHIQ1003-R20N	0.15±30%	0.18	0.79	26.0	28.0
DHIQ1003-R35N	0.35±30%	0.30	2.20	17.0	20.0
DHIQ1003-R56M	0.56	0.44	2.20	19.0	20.0
DHIQ1003-R68M	0.68	0.54	5.10	12.5	14.5
DHIQ1003-1R0M	1.00	0.80	5.1	12.5	14.5
DHIQ1003-1R2M	1.20	0.92	6.7	11.0	10.0
DHIQ1003-1R6M	1.65	1.32	6.7	11.00	12.0
DHIQ1003-2R2M	2.20	1.85	11.5	8.0	10.5

- 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