

HL0605A series Standard Specifications

Part No.	Inductance (μH)	Test Freq.	DCR($\text{m}\Omega$) Max	Isat(A) Typ	Irms(A) Typ	D(mm) ± 0.3	Marking
HL0605A-R82M	0.82	100kHz,0.1V	4.18	20.00	21.0	5.30	R82
HL0605A-1R0M	1.00	100kHz,0.1V	4.52	18.00	20.0	5.30	1R0
HL0605A-1R2M	1.20	100kHz,0.1V	5.83	16.00	18.0	5.30	1R2
HL0605A-1R5M	1.50	100kHz,0.1V	6.30	14.50	17.0	5.30	1R5
HL0605A-1R8M	1.80	100kHz,0.1V	7.10	13.50	16.0	5.30	1R8
HL0605A-2R2M	2.20	100kHz,0.1V	8.50	12.00	13.0	5.20	2R2
HL0605A-3R3M	3.30	100kHz,0.1V	12.50	10.00	11.0	5.20	3R3
HL0605A-4R3M	4.30	100kHz,0.1V	16.20	8.50	9.0	5.20	4R3
HL0605A-4R7M	4.7	100kHz,0.1V	18.40	8.00	8.5	5.20	4R7
HL0605A-5R6M	5.6	100kHz,0.1V	22.00	8.30	7.0	5.20	5R6
HL0605A-6R8M	6.8	100kHz,0.1V	25.40	7.00	6.6	5.20	6R8
HL0605A-8R2M	8.2	100kHz,0.1V	31.50	6.80	6.2	5.20	8R2

HL0606A series Standard Specifications

Part No.	Inductance (μH)	Test Freq.	DCR($\text{m}\Omega$) Max	Isat(A) Typ	Irms(A) Typ	Marking
HL0606A-4R7M	4.70	100kHz,0.1V	14.40	10.50	11.0	4R7
HL0606A-5R6M	5.60	100kHz,0.1V	15.90	9.90	10.0	5R6
HL0606A-6R8M	6.80	100kHz,0.1V	20.80	9.20	9.0	6R8
HL0606A-8R2M	8.20	100kHz,0.1V	26.40	8.40	8.0	8R2
HL0606A-100M	10.00	100kHz,0.1V	29.82	7.60	7.0	100
HL0606A-150M	15.00	100kHz,0.1V	43.75	5.80	6.0	150
HL0606A-220M	22.00	100kHz,0.1V	60.63	5.60	5.0	220

NOTE: L - tolerance M $\pm 20\%$ / T $\pm 30\%$

1. Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)

2. Saturation Current (Isat) will cause L0 to drop approximately 30%. (Internal control standards at 40% max)

3. I rms for a 40°C temperature rise from 25°C ambient.

4. Operating voltage: 0 – 55 V