

HL0505A series Standard Specifications

Part No.	Inductance (μ H)	Test Freq.	DCR(m Ω) Max	Isat(A) Typ	Irms(A) Typ		Marking
HL0505A-5R6M	5.60	100kHz,0.1V	24.2	7.2	7.2		5R6
HL0505A-6R8M	6.80	100kHz,0.1V	28.6	6.6	6.4		6R8
HL0505A-8R2M	8.20	100kHz,0.1V	32.5	6.1	6.1		8R2
HL0505A-100M	10.00	100kHz,0.1V	43.0	5.4	5.0		100

HL0603A series Standard Specifications

Part No.	Inductance (μ H)	Test Freq.	DCR(m Ω) Max	Isat(A) Typ	Irms(A) Typ	D(mm) \pm 0.3	Marking
HL0603A-R18M	0.18	100kHz,0.1V	1.75	39.00	32.0	5.30	R18
HL0603A-R33M	0.33	100kHz,0.1V	2.50	30.00	25.0	5.30	R33
HL0603A-R56M	0.56	100kHz,0.1V	3.31	29.00	22.0	5.30	R56
HL0603A-R68M	0.68	100kHz,0.1V	5.17	25.00	20.0	5.30	R68
HL0603A-1R0M	1.00	100kHz,0.1V	6.05	23.00	18.0	5.20	1R0
HL0603A-1R2M	1.20	100kHz,0.1V	7.40	22.00	16.0	5.15	1R2
HL0603A-1R5M	1.50	100kHz,0.1V	9.13	20.00	15.0	5.15	1R5
HL0603A-1R8M	1.80	100kHz,0.1V	10.20	18.20	14.0	5.10	1R8
HL0603A-2R2M	2.2	100kHz,0.1V	12.20	15.90	10.0	5.05	2R2
HL0603A-3R3M	3.3	100kHz,0.1V	20.80	12.20	8.0	5.00	3R3
HL0603A-4R5M	4.5	100kHz,0.1V	25.30	10.00	7.0	5.00	4R5
HL0603A-4R7M	4.7	100kHz,0.1V	26.00	9.00	6.0	5.00	4R7

NOTE: \pm 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