

HL0502A series Standard Specifications

Part No.	Inductance (μ H)	Test Freq.	DCR(m Ω) Max	Isat(A) Typ	Irms(A) Typ	Marking
HL0502A-R15M	0.15	100kHz,0.1V	4.6	27.0	18.8	R15
HL0502A-R16M	0.16	100kHz,0.1V	4.6	27.0	18.8	R16
HL0502A-R33M	0.33	100kHz,0.1V	7.0	24.0	14.4	R33
HL0502A-R47M	0.47	100kHz,0.1V	8.1	20.0	14.1	R47
HL0502A-R56M	0.56	100kHz,0.1V	9.5	16.0	13.9	R56
HL0502A-R68M	0.68	100kHz,0.1V	10.2	14.0	13.4	R68
HL0502A-R80M	0.80	100kHz,0.1V	11.8	13.5	13.0	R80
HL0502A-R82M	0.82	100kHz,0.1V	12.7	13.0	12.0	R82
HL0502A-1R0M	1.0	100kHz,0.1V	13.8	12.8	10.5	1R0
HL0502A-1R2M	1.2	100kHz,0.1V	16.3	12.2	9.4	1R2
HL0502A-1R5M	1.5	100kHz,0.1V	18.7	11.7	8.8	1R5

HL0503A series Standard Specifications

Part No.	Inductance (μ H)	Test Freq.	DCR(m Ω) Max	Isat(A) Typ	Irms(A) Typ	Marking
HL0503A-R15M	0.15	100kHz,0.1V	2.31	32.5	22.2	R15
HL0503A-R16M	0.16	100kHz,0.1V	2.33	32.0	22.2	R16
HL0503A-R33M	0.33	100kHz,0.1V	3.52	26.0	19.2	R33
HL0503A-R47M	0.47	100kHz,0.1V	4.13	24.0	18.4	R47
HL0503A-R56M	0.56	100kHz,0.1V	4.52	20.2	17.7	R56
HL0503A-R60M	0.60	100kHz,0.1V	4.52	20.0	17.7	R60
HL0503A-R80M	0.80	100kHz,0.1V	5.65	18.0	13.1	R80
HL0503A-R82M	0.82	100kHz,0.1V	5.78	17.6	12.9	R82
HL0503A-1R0M	1.00	100kHz,0.1V	7.60	14.3	12.2	1R0
HL0503A-1R2M	1.20	100kHz,0.1V	9.70	13.5	11.0	1R2
HL0503A-1R5M	1.50	100kHz,0.1V	11.20	12.5	10.5	1R5
HL0503A-1R8M	1.80	100kHz,0.1V	12.70	11.3	10.1	1R8
HL0503A-2R2M	2.20	100kHz,0.1V	14.50	9.0	9.7	2R2
HL0503A-3R3M	3.30	100kHz,0.1V	23.10	8.7	8.1	3R3
HL0503A-4R7M	4.70	100kHz,0.1V	36.30	7.0	5.9	4R7

NOTE: \pm -tolerance M=±20% / T=±30%

1. Operating temperature range -40°C ~ 125°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