

HL0703A 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 |
|--------------|--------------------------|-------------|-------------------------|----------------|----------------|--------------------|---------|
| HL0703A-1R0M | 1.0 | 100kHz,0.1V | 5.00 | 28.00 | 21.8 | 6.60 | 1R0 |
| HL0703A-1R5M | 1.5 | 100kHz,0.1V | 8.25 | 23.50 | 15.3 | 6.60 | 1R5 |
| HL0703A-2R2M | 2.2 | 100kHz,0.1V | 13.70 | 17.00 | 13.0 | 6.20 | 2R2 |
| HL0703A-2R7M | 2.7 | 100kHz,0.1V | 15.40 | 13.50 | 11.4 | 6.20 | 2R7 |
| HL0703A-3R3M | 3.3 | 100kHz,0.1V | 18.00 | 13.00 | 10.0 | 6.20 | 3R3 |
| HL0703A-4R7M | 4.7 | 100kHz,0.1V | 26.70 | 12.20 | 9.0 | 6.20 | 4R7 |
| HL0703A-5R6M | 5.6 | 100kHz,0.1V | 33.20 | 11.50 | 7.3 | 6.20 | 5R6 |
| HL0703A-6R8M | 6.8 | 100kHz,0.1V | 42.50 | 11.00 | 6.8 | 6.20 | 6R8 |
| HL0703A-8R2M | 8.2 | 100kHz,0.1V | 48.73 | 9.00 | 5.9 | 6.20 | 8R2 |

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|--------------|--------------------------|-------------|-------------------------|----------------|----------------|--------------------|---------|
| HL0707A-3R3M | 3.3 | 100kHz,0.1V | 9.42 | 19.40 | 15.1 | 6.70 | 3R3 |
| HL0707A-4R7M | 4.7 | 100kHz,0.1V | 14.26 | 15.20 | 13.6 | 6.70 | 4R7 |
| HL0707A-6R8M | 6.8 | 100kHz,0.1V | 19.60 | 12.80 | 9.2 | 6.50 | 6R8 |

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