

Sample Kit Contents

| Part Number | Inductance (μ H) at 100 kHz | Inductance Tolerance | DC Resistance (m Ω) \pm 10% | Rated Current (A) | | Quantity |
|---------------|-------------------------------------|-------------------------|--|--------------------------------------|--------------------------------------|----------|
| | | | | I _{rms} ¹ (Ref.) | I _{sat} ² (Ref.) | |
| MPC0730LR20C | 0.20 | \pm 25% | 1.20 | 23.0 | 17.5 | 20 |
| MPC0740LR42C | 0.42 | \pm 20% | 1.55 | 22.0 | 20.0 | 20 |
| MPC0750LR60C | 0.60 | \pm 20% | 2.30 | 17.0 | 19.0 | 20 |
| MPC0750LR68C | 0.68 | \pm 20% | 2.20 | 18.0 | 16.0 | 20 |
| MPC1040LR36C | 0.36 | \pm 20% | 1.05 | 25.5 | 30.0 | 20 |
| MPC1040LR45C | 0.45 | \pm 20% | 1.10 | 25.0 | 27.0 | 20 |
| MPC1040LR56C | 0.56 | \pm 20% | 1.30 | 23.0 | 25.0 | 20 |
| MPC1040LR88C | 0.88 | \pm 20% | 2.30 | 17.0 | 24.0 | 20 |
| MPC1055LR36C | 0.36 | \pm 20% | 0.75 | 32.0 | 35.0 | 20 |
| MPC1055LR0C | 1.00 | \pm 20% | 2.30 | 18.5 | 21.0 | 20 |
| MPC1250LR36C | 0.36 | \pm 20% | 0.65 | 38.0 | 40.0 | 20 |
| MPC1250LR50C | 0.50 | \pm 20% | 0.80 | 35.0 | 40.0 | 20 |
| MPCG0730LR40 | 0.40 | \pm 20% | 2.60 | 16.0 | 16.0 | 20 |
| MPCG0740LR42 | 0.42 | \pm 20% | 1.55 | 22.0 | 20.0 | 20 |
| MPCG1040LR36 | 0.36 | \pm 20% | 1.05 | 25.0 | 30.0 | 20 |
| MPCG1040LR45 | 0.45 | \pm 20% | 1.10 | 25.0 | 27.0 | 20 |
| MPCG1040LR56 | 0.56 | \pm 20% | 1.30 | 23.0 | 23.0 | 20 |
| MPCG1040LR88 | 0.88 | \pm 20% | 2.30 | 17.0 | 19.0 | 20 |
| MPCH0730LR12 | 0.12 | \pm 20% | 0.65 | 31.0 | 32.0 | 20 |
| MPCH0730LR24 | 0.24 | \pm 20% | 1.20 | 23.0 | 19.0 | 20 |
| MPCH0740LR15 | 0.15 | \pm 20% | 0.93 | 29.0 | 31.0 | 20 |
| MPCH0740LR24 | 0.24 | \pm 20% | 1.00 | 27.0 | 20.0 | 20 |
| MPCH0740LR36E | 0.36 | \pm 20% | 1.42 | 23.0 | 22.0 | 20 |
| MPCH1040LR36 | 0.36 | \pm 20% | 0.88 | 28.0 | 24.0 | 20 |
| MPCH1040LR0 | 1.00 | \pm 20% | 2.30 | 17.0 | 17.0 | 20 |
| MPCH1055LR3 | 1.30 | \pm 20% | 2.30 | 18.5 | 17.0 | 20 |
| MPCH1060LR45 | 0.45 | \pm 20% | 0.76 | 32.0 | 32.0 | 20 |
| MPCH1250LR5 | 1.50 | \pm 20% | 2.20 | 21.0 | 21.0 | 20 |

¹ T = 40 K rise at rated current.

² Inductance drop 20% at rated current.

Specifications MPC

| Part Number | Dimensions (mm) | Land Pattern |
|--|-----------------|--------------|
| MPC0730LR20C MPC0740LR42C | | |
| MPC0750LR60C MPC0750LR68C | | |
| MPC1040LR36C MPC1040LR45C MPC1040LR56C | | |
| MPC1040LR88C | | |
| MPC1055LR36C | | |
| MPC1055L1R0C | | |
| MPC1250LR36C MPC1250LR50C | | |

Operating temperature range: -20°C to $+120^{\circ}\text{C}$ (Include self temperature rise)

Specifications MPCG

| Part Number | Dimensions (mm) | Land Pattern |
|--|-----------------|--------------|
| MPCG0730LR40 | | |
| MPCG0740LR42 | | |
| MPCG1040LR36 MPCG1040LR45 MPCG1040LR56 MPCG1040LR88 | | |

Operating temperature range: -20°C to $+120^{\circ}\text{C}$ (Include self temperature rise)

Specifications MPCH

| Part Number | Dimensions (mm) | Land Pattern |
|---|-----------------|--------------|
| MPCH0730LR12 MPCH0730LR24 MPCH0740LR15 MPCH0740LR24 MPCH0740LR36E | | |
| MPCH1040LR36 MPCH1040LR1R0 | | |
| MPCH1055L1R3 | | |
| MPCH1060LR45 | | |
| MPCH1250L1R5 | | |

Operating temperature range: -20°C to +120°C (Include self temperature rise)