# Magnetics

# Shielded Drum Surface Mount Inductors

**Model HM79S**

## Features and Benefits

- Operating Temperature Range -40°C to +125°C
- Operating Frequency Up to 3MHz
- RoHS Compliant

## Specifications @ 25°C

| Part Number | Inductance | | | $I_{rated}$ (1) (Adc) | DCR (Ω) Max. | Part Number | Inductance | | | $I_{rated}$ (1) (Adc) | DCR (Ω) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lo (µH) | Tol. (%) | Test Freq. (kHz) | | | | Lo (µH) | Tol. (%) | Test Freq. (kHz) | | |
| HM79S-63100LF | 10 | ±20% | 100 | 1.00 | 0.14 | HM79S-105680LF | 68 | ±15% | 100 | 0.85 | 0.21 |
| HM79S-63120LF | 12 | ±20% | 100 | 0.94 | 0.16 | HM79S-105820LF | 82 | ±15% | 100 | 0.79 | 0.28 |
| HM79S-63150LF | 15 | ±20% | 100 | 0.86 | 0.18 | HM79S-105101LF | 100 | ±10% | 1 | 0.72 | 0.34 |
| HM79S-63180LF | 18 | ±20% | 100 | 0.78 | 0.25 | HM79S-105121LF | 120 | ±10% | 1 | 0.63 | 0.37 |
| HM79S-63220LF | 22 | ±20% | 100 | 0.76 | 0.32 | HM79S-105151LF | 150 | ±10% | 1 | 0.55 | 0.51 |
| HM79S-63270LF | 27 | ±20% | 100 | 0.64 | 0.36 | HM79S-105181LF | 180 | ±10% | 1 | 0.50 | 0.57 |
| HM79S-63330LF | 33 | ±15% | 100 | 0.61 | 0.41 | HM79S-105221LF | 220 | ±10% | 1 | 0.47 | 0.78 |
| HM79S-63390LF | 39 | ±15% | 100 | 0.53 | 0.47 | HM79S-105271LF | 270 | ±10% | 1 | 0.41 | 0.87 |
| HM79S-63470LF | 47 | ±15% | 100 | 0.50 | 0.51 | HM79S-105331LF | 330 | ±10% | 1 | 0.37 | 1.20 |
| HM79S-63560LF | 56 | ±15% | 100 | 0.46 | 0.71 | HM79S-105391LF | 390 | ±10% | 1 | 0.35 | 1.34 |
| HM79S-63680LF | 68 | ±15% | 100 | 0.42 | 0.82 | HM79S-105471LF | 470 | ±10% | 1 | 0.33 | 1.50 |
| HM79S-74100LF | 10 | ±20% | 100 | 1.65 | 0.07 | HM79S-105681LF | 680 | ±10% | 1 | 0.28 | 2.25 |
| HM79S-74120LF | 12 | ±20% | 100 | 1.57 | 0.07 | HM79S-125100LF | 10 | ±20% | 100 | 2.65 | 0.05 |
| HM79S-74150LF | 15 | ±20% | 100 | 1.39 | 0.08 | HM79S-125120LF | 12 | ±20% | 100 | 2.50 | 0.05 |
| HM79S-74180LF | 18 | ±20% | 100 | 1.29 | 0.1 | HM79S-125150LF | 15 | ±20% | 100 | 2.45 | 0.06 |
| HM79S-74220LF | 22 | ±20% | 100 | 1.12 | 0.13 | HM79S-125180LF | 18 | ±20% | 100 | 2.40 | 0.06 |
| HM79S-74270LF | 27 | ±20% | 100 | 1.06 | 0.16 | HM79S-125220LF | 22 | ±20% | 100 | 2.20 | 0.07 |
| HM79S-74330LF | 33 | ±15% | 100 | 0.97 | 0.18 | HM79S-125270LF | 27 | ±20% | 100 | 2.00 | 0.08 |
| HM79S-74390LF | 39 | ±15% | 100 | 0.91 | 0.18 | HM79S-125330LF | 33 | ±20% | 100 | 1.80 | 0.10 |
| HM79S-74470LF | 47 | ±15% | 100 | 0.80 | 0.27 | HM79S-125390LF | 39 | ±20% | 100 | 1.65 | 0.11 |
| HM79S-74560LF | 56 | ±15% | 100 | 0.76 | 0.29 | HM79S-125470LF | 47 | ±20% | 100 | 1.50 | 0.12 |
| HM79S-74680LF | 68 | ±15% | 100 | 0.68 | 0.33 | HM79S-125560LF | 56 | ±20% | 100 | 1.38 | 0.15 |
| HM79S-74820LF | 82 | ±15% | 100 | 0.62 | 0.43 | HM79S-125680LF | 68 | ±20% | 100 | 1.26 | 0.17 |
| HM79S-74101LF | 100 | ±10% | 1 | 0.55 | 0.49 | HM79S-125820LF | 82 | ±20% | 100 | 1.14 | 0.20 |
| HM79S-74121LF | 120 | ±10% | 1 | 0.49 | 0.68 | HM79S-125101LF | 100 | ±20% | 1 | 1.05 | 0.25 |
| HM79S-74151LF | 150 | ±10% | 1 | 0.44 | 0.94 | HM79S-125121LF | 120 | ±20% | 1 | 0.95 | 0.28 |
| HM79S-74181LF | 180 | ±10% | 1 | 0.40 | 1.00 | HM79S-125151LF | 150 | ±20% | 1 | 0.85 | 0.40 |
| HM79S-74221LF | 220 | ±10% | 1 | 0.36 | 1.18 | HM79S-125181LF | 180 | ±20% | 1 | 0.77 | 0.48 |
| HM79S-74271LF | 270 | ±10% | 1 | 0.33 | 1.30 | HM79S-125221LF | 220 | ±20% | 1 | 0.70 | 0.52 |
| HM79S-105100LF | 10 | ±20% | 100 | 2.06 | 0.06 | HM79S-125271LF | 270 | ±20% | 1 | 0.63 | 0.70 |
| HM79S-105120LF | 12 | ±20% | 100 | 1.94 | 0.07 | HM79S-125331LF | 330 | ±20% | 1 | 0.57 | 0.80 |
| HM79S-105150LF | 15 | ±20% | 100 | 1.72 | 0.07 | HM79S-125391LF | 390 | ±20% | 1 | 0.52 | 1.08 |
| HM79S-105180LF | 18 | ±20% | 100 | 1.58 | 0.08 | HM79S-125471LF | 470 | ±20% | 1 | 0.48 | 1.20 |
| HM79S-105220LF | 22 | ±20% | 100 | 1.42 | 0.08 | HM79S-125561LF | 560 | ±20% | 1 | 0.44 | 1.34 |
| HM79S-105270LF | 27 | ±20% | 100 | 1.32 | 0.10 | HM79S-125681LF | 680 | ±20% | 1 | 0.40 | 1.78 |
| HM79S-105330LF | 33 | ±15% | 100 | 1.16 | 0.11 | HM79S-125821LF | 820 | ±20% | 1 | 0.36 | 2.00 |
| HM79S-105390LF | 39 | ±15% | 100 | 1.10 | 0.12 | HM79S-125222LF | 2200 | ±20% | 1 | 0.22 | 2.85 |
| HM79S-105470LF | 47 | ±15% | 100 | 1.00 | 0.14 | HM79S-125332LF | 3300 | ±20% | 1 | 0.16 | 4.30 |
| HM79S-105560LF | 56 | ±15% | 100 | 0.93 | 0.19 | | | | | | |

Note: (1) The rated current (Irated) is the approximate DC current at which inductance will be decreased by 10 % from its initial (zero DC) value or the current at which ΔT= 40°C, whichever is lower.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.

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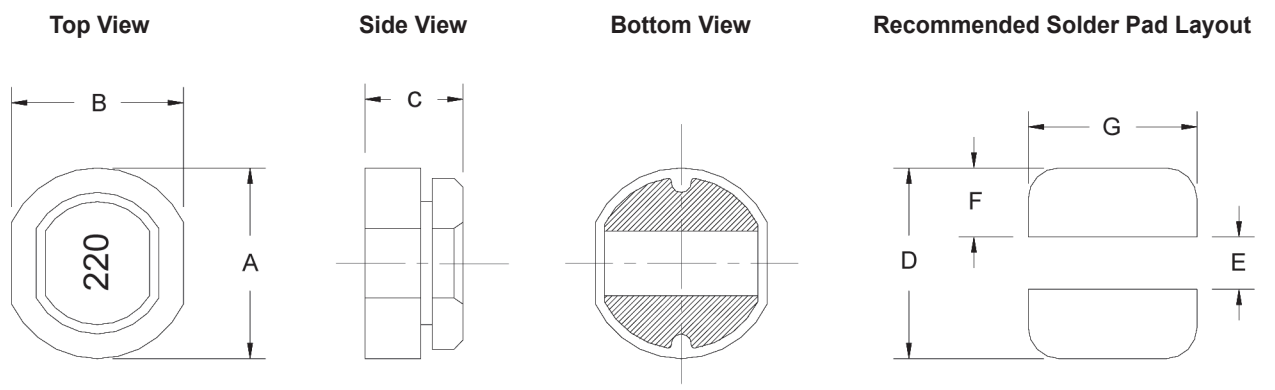
Rev. 02 8.17

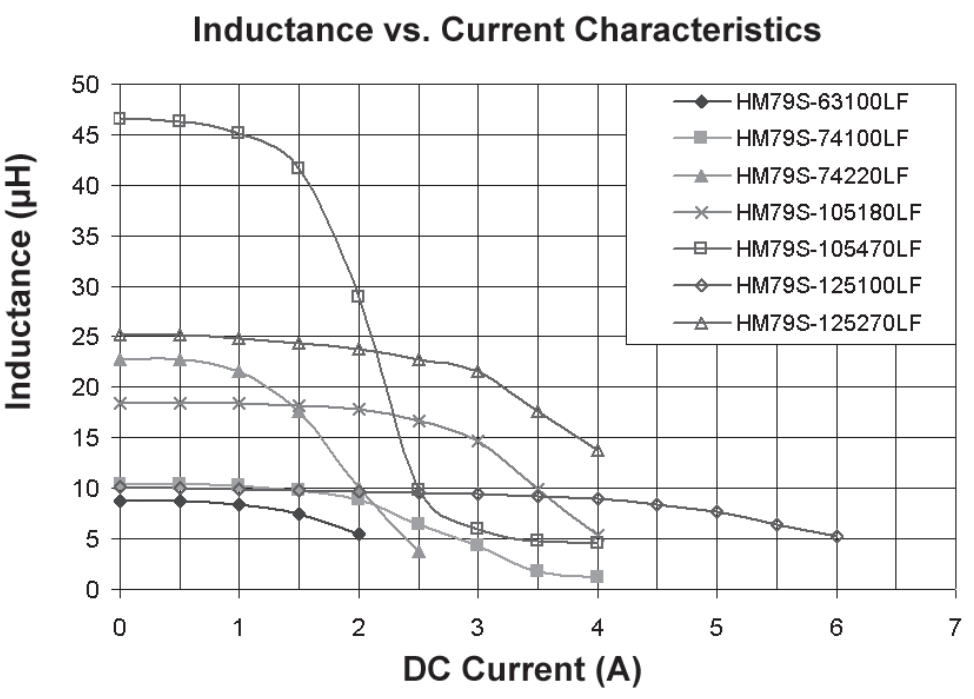
**Model HM79S**

## Outline Dimensions (mm)




| Case Size | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 63 | 6.20 ± 0.30 | 5.60 ± 0.30 | 3.20 ± 0.30 | 6.20 | 1.70 | 2.25 | 5.50 |
| 74 | 7.80 ± 0.35 | 7.00 ± 0.35 | 4.50 ± 0.40 | 7.80 | 1.70 | 3.05 | 7.50 |
| 105 | 10.00 ± 0.40 | 9.00 ± 0.40 | 5.00 ± 0.50 | 10.00 | 2.50 | 3.75 | 9.50 |
| 125 | 12.50 ± 0.50 | 11.60 ± 0.50 | 5.40 ± 0.50 | 12.50 | 2.50 | 5.00 | 9.50 |

## Electrical Characteristics @ 25°C

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**Model HM79S**

# Packaging

| | | | | | |
|---|---|---|---|---|---|
| Standard | Embossed Tape & Reel | | | | |
| | Reel: | Diameter: | | = | 13" (330.2mm) |
| | | Capacity: | Case size 63 | = | 2000 units |
| | | | Case size 74 | = | 1000 units |
| | | | Case size 105 | = | 500 units |
| | | | Case size 125 | = | 500 units |

# Ordering Information

HM79S - 125 100 LF TR13

Model Series

Case Size:
63, 74, 105, 125

Inductance Code:
First 2 digits are significant. Last digit denotes the number of trailing zeros. For values below 10µH, 'R' denotes the decimal point.

TR - Tape & Reel Packing
13" - 13" Reel

Lead Free

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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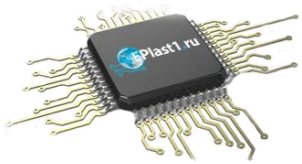
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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