

# 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 <sub>rated</sub> <sup>(1)</sup><br>(Adc) | DCR<br>(Ω)<br>Max. | Part Number    | Inductance |             |                        | I <sub>rated</sub> <sup>(1)</sup><br>(Adc) | DCR<br>(Ω)<br>Max. |
|----------------|------------|-------------|------------------------|--------------------------------------------|--------------------|----------------|------------|-------------|------------------------|--------------------------------------------|--------------------|
|                | Lo<br>(μH) | Tol.<br>(%) | Test<br>Freq.<br>(kHz) |                                            |                    |                | Lo<br>(μH) | Tol.<br>(%) | Test<br>Freq.<br>(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-125171LF | 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 (I<sub>rated</sub>) 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.

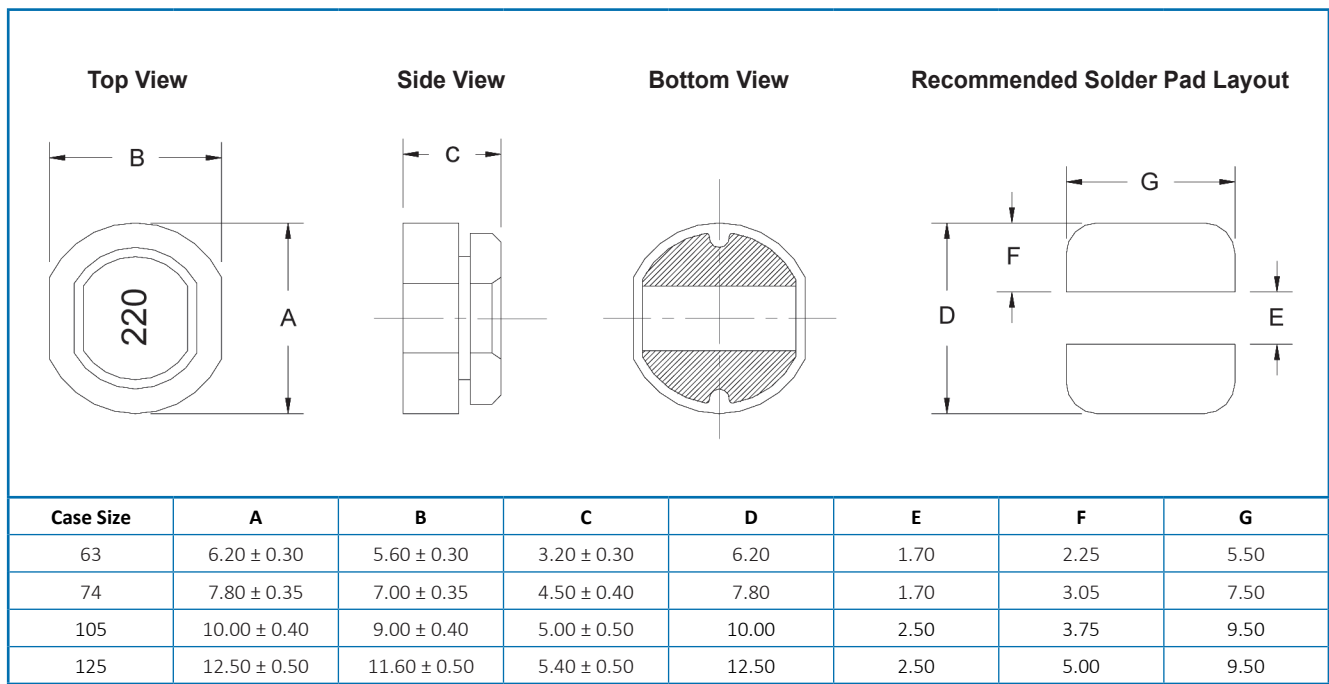
### General Note

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

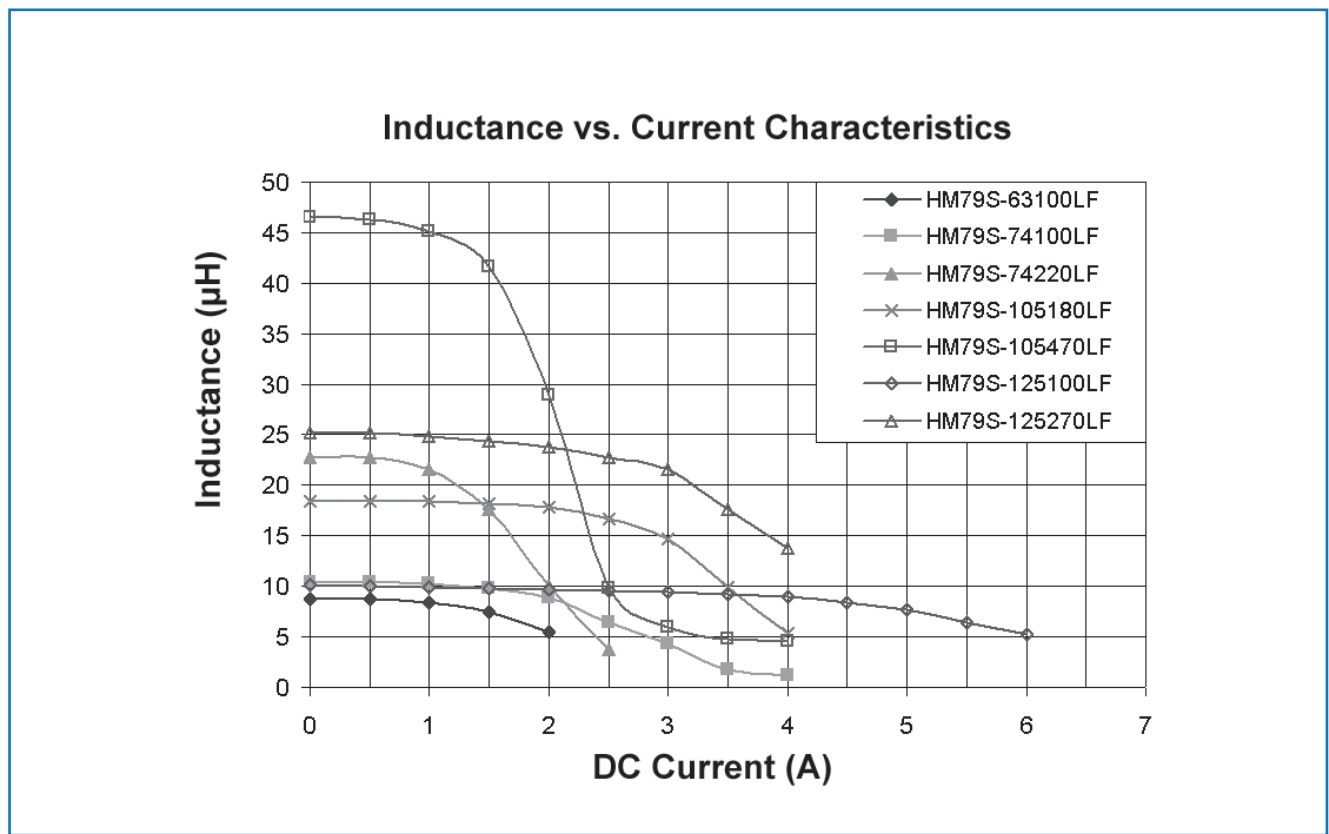
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Model HM79S

Outline Dimensions (mm)



Electrical Characteristics @ 25°C



General Note

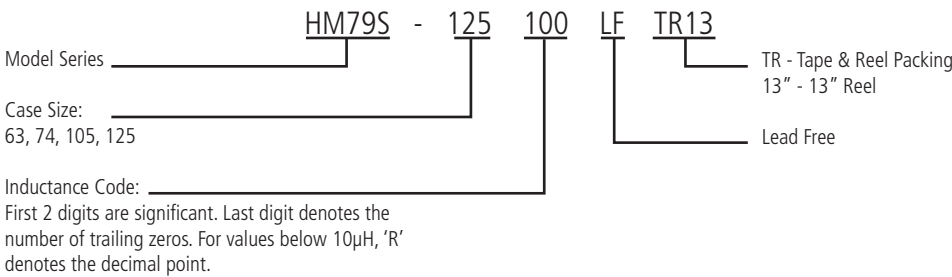
TT Electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Model HM79S

Packaging

| Embossed Tape & Reel |           |               |   |               |
|----------------------|-----------|---------------|---|---------------|
| Standard             | 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



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.



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;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.