Magnetics

Low Cost Medium Power Surface Mount Inductors

MODEL HM79

Features

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

Specifications @ 25°C

Part Number	Inductance µH ± 20% (1)	DC Resistance Ω Max .	Rated Current (2) Amps
HM79-101R0LF	1.0	0.048	2.56
HM79-101R4LF	1.4	0.056	2.52
HM79-101R8LF	1.8	0.063	1.95
HM79-102R2LF	2.2	0.071	1.75
HM79-102R7LF	2.7	0.078	1.58
HM79-103R3LF	3.3	0.086	1.44
HM79-103R9LF	3.9	0.093	1.33
HM79-104R7LF	4.7	0.108	1.15
HM79-105R6LF	5.6	0.125	0.99
HM79-106R8LF	6.8	0.131	0.95
HM79-108R2LF	8.2	0.146	0.84
HM79-10100LF	10	0.182	1.04
HM79-10120LF	12	0.210	0.97
HM79-10150LF	15	0.235	0.85
HM79-10180LF	18	0.338	0.74
HM79-10220LF	22	0.378	1.00
HM79-10270LF	27	0.522	0.62
HM79-10330LF	33	0.540	0.56
HM79-201R0LF	1.0	0.015	8.00
HM79-204R7LF	4.7	0.057	5.50
HM79-206R8LF	6.8	0.060	2.00
HM79-20100LF	10	0.10	1.44
HM79-20120LF	12	0.12	1.40
HM79-20150LF	15	0.14	1.30
HM79-20180LF	18	0.15	1.23
HM79-20220LF	22	0.18	1.11
HM79-20270LF	27	0.20	0.97
HM79-20330LF	33	0.23	0.88
HM79-20390LF	39	0.32	0.80
HM79-20470LF	47	0.37	0.72
HM79-20560LF	56	0.42	0.68
HM79-20680LF	68	0.46	0.61
HM79-20820LF	82	0.60	0.58
HM79-20101LF	100	0.70	0.52
HM79-20121LF	120	0.93	0.48
HM79-20151LF	150	1.10	0.40
HM79-20181LF	180	1.38	0.38
HM79-20221LF	220	1.57	0.35

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.

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Low Cost Medium Power Surface Mount Inductors

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Specifications @ 25°C

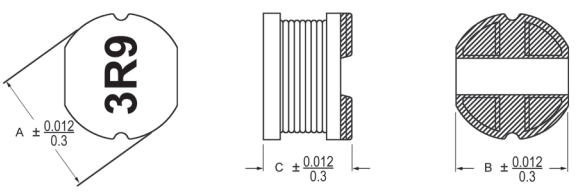
Part Number	Inductance µH ± 20% (1)	DC Resistance Ω Max .	Rated Current (2) Amps
HM79-60100LF	10	0.06	2.60
HM79-60120LF	12	0.07	2.45
HM79-60150LF	15	0.08	2.27
HM79-60180LF	18	0.09	2.15
HM79-60220LF	22	0.10	1.95

Part Number	Inductance µH ± 20% (1)	DC Resistance Ω Max .	Rated Current (2) Amps
HM79-60270LF	27	0.11	1.76
HM79-60330LF	33	0.12	1.50
HM79-60390LF	39	0.14	1.37
HM79-60470LF	47	0.17	1.28
HM79-60560LF	56	0.19	1.17
HM79-60680LF	68	0.22	1.11
HM79-60820LF	82	0.25	1.00
HM79-60101LF	100	0.35	0.97
HM79-60121LF	120	0.40	0.89
HM79-60151LF	150	0.47	0.78
HM79-60181LF	180	0.63	0.72
HM79-60221LF	220	0.73	0.66
HM79-60271LF	270	0.97	0.57
HM79-60331LF	330	1.15	0.52
HM79-60391LF	390	1.30	0.48
HM79-60471LF	470	1.48	0.42
HM79-60561LF	560	1.90	0.33
HM79-60681LF	680	2.25	0.28
HM79-60821LF	820	2.55	0.24

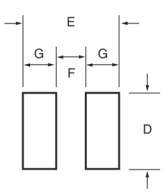
Notes: (1) Test conditions for case sizes 10 & 20 = 100kHz, 0.1 Vrms without DC current. Inductance for case size 60 is measured at 1kHz without DC current.
(2) Rated DC current is the approximate current at which inductance will be decreased by 10% from its initial (zero DC) value or the DC current at which ΔT = 40°C, whichever is lower.

Outline Dimensions (Inch/mm) / Packaging

Top View **Side View** **Bottom View**



Recommended Solder Pad Layout



Case size	A	B	C	D	E	F	G	Reel Capacity
10	.177 4.5	.158 4.0	.126 3.2	.177 4.5	.205 5.2	.059 1.5	.069 1.75	1500
20	.228 5.8	.205 5.2	.177 4.5	.228 5.8	.240 6.1	.067 1.7	.085 2.15	1500
60	.394 10.0	.354 9.0	.213 5.4	.394 10.0	.394 10.0	.098 2.5	.148 3.75	500

Ordering Information

HM79 - 20 101 LF TR13

Model Series

Case Size:
10, 20, 60

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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