


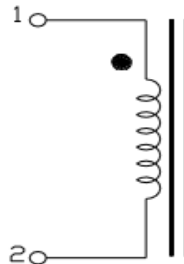
### Features:

- Operating Temperature Range -55°C to +125°C
- Ambient Temperature, Max +85°C
- Temperature Rise, 40°C
- Operating Frequency up to 3MHz



 All parts are Pb-free and comply with EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 (RoHS3)

### Schematic



### Specifications @ 25°C

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ ) @0A	DCR ( $\Omega$ ) Max	I <sub>rms</sub> (A) - max	I <sub>sat</sub> (A) - max
HM79M-101R0LFTR	1.0	0.013	4.50	3.80
HM79M-101R5LFTR	1.5	0.022	4.50	3.50
HM79M-101R8LFTR	1.8	0.042	3.38	3.00
HM79M-102R2LFTR	2.2	0.042	3.38	2.50
HM79M-102R7LFTR	2.7	0.050	2.50	2.50
HM79M-103R3LFTR	3.3	0.050	2.50	2.20
HM79M-103R9LFTR	3.9	0.070	2.50	2.00
HM79M-104R7LFTR	4.7	0.094	2.46	1.82
HM79M-105R6LFTR	5.6	0.110	2.40	1.80
HM79M-106R8LFTR	6.8	0.132	2.20	1.80
HM79M-108R2LFTR	8.2	0.140	2.00	1.60
HM79M-10100LFTR	10.0	0.150	1.74	1.45
HM79M-10120LFTR	12.0	0.180	1.40	1.30

#### General Note

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<https://www.ttelectronics.com/electromagnetics>

### Specifications @ 25°C (Continued)

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ ) @0A	DCR (m $\Omega$ ) Max	Isat (A) - max	Irms (A)- max
HM79M-10150LFTR	15.0	0.240	1.20	0.85
HM79M-10220LFTR	22.0	0.350	1.10	0.80
HM79M-10270LFTR	27.0	0.500	0.71	0.75
HM79M-10330LFTR	33.0	0.500	0.64	0.56
HM79M-10470LFTR	47.0	0.700	0.64	0.56
HM79M-10560LFTR	56.0	0.850	0.50	0.56
HM79M-10680LFTR	68.0	1.117	0.46	0.56
HM79M-10101LFTR	100.0	1.300	0.45	0.50
HM79M-10151LFTR	150.0	3.400	0.44	0.28
HM79M-10221LFTR	220.0	4.000	0.25	0.18
HM79M-10331LFTR	330.0	5.000	0.15	0.18
HM79M-10471LFTR	470.0	5.000	0.20	0.20
HM79M-10681LFTR	680.0	14.000	0.16	0.11
HM79M-10102LFTR	1000.0	12.000	0.12	0.10
HM79M-10222LFTR	2200.0	35.000	0.10	0.10
HM79M-20R47LFTR	0.47	0.0071	9.50	7.00
HM79M-201ROLFTR	1.0	0.010	7.50	6.00
HM79M-202R2LFTR	2.2	0.022	7.10	5.70
HM79M-203R3LFTR	3.3	0.0238	4.00	4.00
HM79M-204R7LFTR	4.7	0.0353	3.00	3.00
HM79M-20100LFTR	10.0	0.065	1.44	1.80
HM79M-20150LFTR	15.0	0.098	1.30	1.50
HM79M-20180LFTR	18.0	0.160	1.23	1.14
HM79M-20220LFTR	22.0	0.170	1.24	1.14
HM79M-20330LFTR	33.0	0.210	1.17	1.09
HM79M-20470LFTR	47.0	0.320	1.00	0.90
HM79M-20560LFTR	56.0	0.350	1.00	0.80
HM79M-20680LFTR	68.0	0.500	0.80	0.80
HM79M-20820LFTR	82.0	0.500	0.80	0.80
HM79M-20101LFTR	100.0	0.600	0.65	0.65
HM79M-20151LFTR	150.0	1.100	0.40	0.50

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### Specifications @ 25°C (Continued)

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ @0A)	DCR (m $\Omega$ ) Max	I <sub>rms</sub> (A) - max	I <sub>sat</sub> (A) - max
HM79M-20181LFTR	180.0	1.100	0.38	0.45
HM79M-20221LFTR	220.0	1.300	0.35	0.37
HM79M-20102LFTR	1000.0	5.600	0.26	0.20
HM79M-601R5LFTR	1.5	0.007	12.00	12.50
HM79M-602R2LFTR	2.2	0.010	8.50	8.50
HM79M-603R3LFTR	3.3	0.016	8.00	7.00
HM79M-604R7LFTR	4.7	0.016	6.50	6.50
HM79M-605R6LFTR	5.6	0.019	5.00	5.40
HM79M-606R8LFTR	6.8	0.023	5.00	5.40
HM79M-608R2LFTR	8.2	0.025	4.50	3.80
HM79M-60100LFTR	10.0	0.060	4.00	3.80
HM79M-60150LFTR	15.0	0.080	3.00	2.80
HM79M-60220LFTR	22.0	0.100	2.80	2.60
HM79M-60270LFTR	27.0	0.110	2.40	2.20
HM79M-60330LFTR	33.0	0.120	2.40	2.20
HM79M-60470LFTR	47.0	0.120	2.30	2.20
HM79M-60560LFTR	56.0	0.190	2.20	2.00
HM79M-60680LFTR	68.0	0.230	2.20	1.80
HM79M-60820LFTR	82.0	0.240	2.20	1.60
HM79M-60101LFTR	100.0	0.280	1.80	1.30
HM79M-60121LFTR	120.0	0.340	1.80	1.30
HM79M-60151LFTR	150.0	0.430	1.60	1.30
HM79M-60221LFTR	220.0	0.570	0.80	0.80
HM79M-60331LFTR	330.0	1.150	0.59	0.52
HM79M-60471LFTR	470.0	1.480	0.50	0.42
HM79M-60561LFTR	560.0	1.540	0.45	0.41
HM79M-60681LFTR	680.0	1.780	0.43	0.40
HM79M-60821LFTR	820.0	2.160	0.41	0.40
HM79M-60102LFTR	1000.0	3.000	0.40	0.40

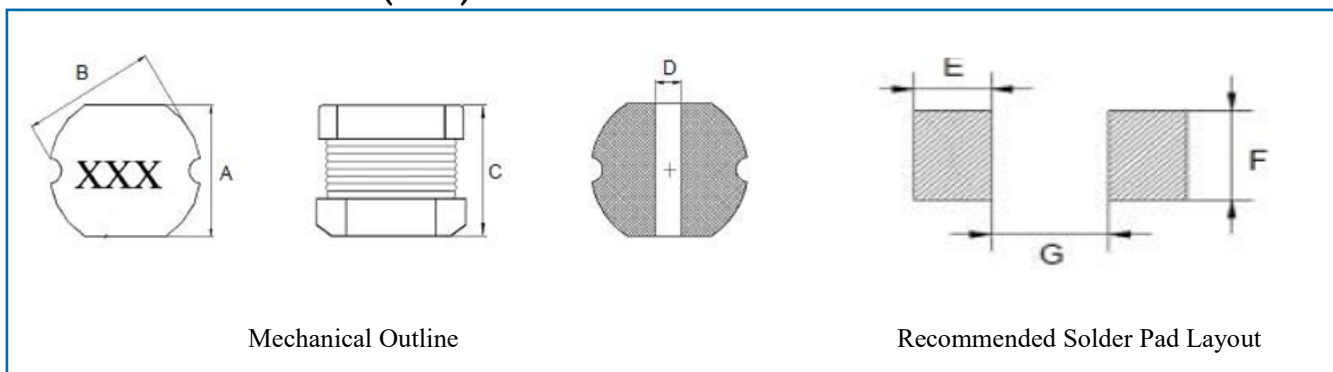
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**Notes:**

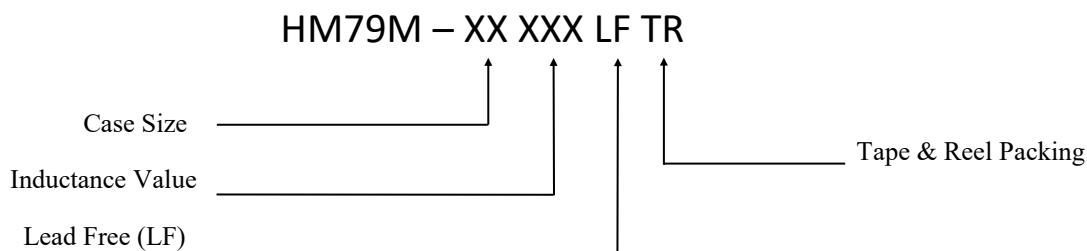
- 1) Isat is the saturation current at which inductance rolls off approximately 20% from its initial (zero DC)
- 2) Irms is the approximate current at which  $\Delta T = 40^{\circ}C$
- 3) Operating Temperature Range  $-55^{\circ}C$  to  $+125^{\circ}C$
- 4) Test condition for all case sizes is 100kHz @1V

### Outline dimensions (mm)



CASE SIZE	A(mm) - $\pm 0.30$	B(mm) - $\pm 0.30$	C(mm) - Max	D(mm) - Typ	E(mm) - Typ	F(mm) - Typ	G(mm) - Typ
HM79M-10 series	4.00	4.50	3.50	1.80	2.00	4.50	1.00
HM79M-20 series	5.20	5.80	4.80	2.00	2.00	5.50	1.50
HM79M-60 series	9.00	10.00	6.00	3.20	4.40	10.00	2.80

### Packaging



Standard:	Embossed Tape and Reel			
	Reel:	Diameter:	All case size	= 13" (330mm)
	Capacity:	Case size 10 series	= 2,000 units	
		Case size 20 series	= 1,500 units	
		Case size 60 series	= 1,000 units	