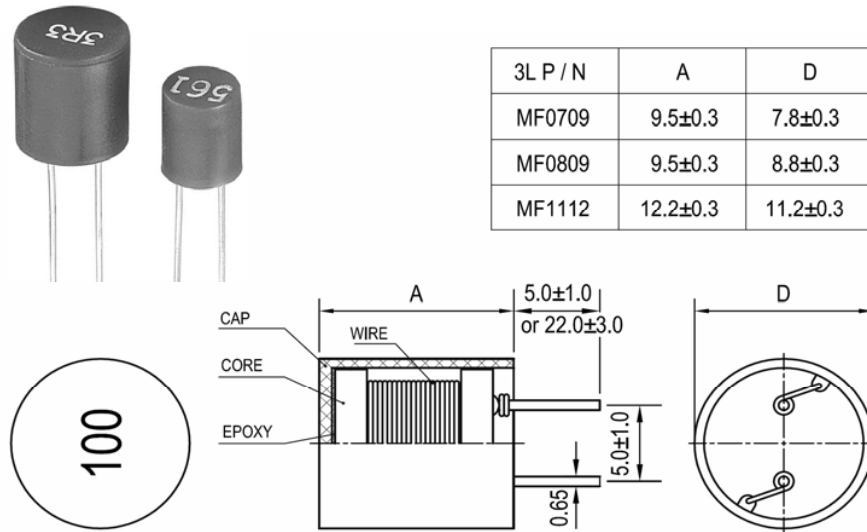


**Shape and size : ( Dimensions are in mm )**


3L P / N	A	D
MF0709	9.5±0.3	7.8±0.3
MF0809	9.5±0.3	8.8±0.3
MF1112	12.2±0.3	11.2±0.3

**Features :**

- Encapsulated in a resin housing which adds to the stability of the mounted part on a PCB.
- Low DC Resistance and large current.
- Best for the power supply line.
- High dimensional accuracy.
- Meets UL 94V-0 flammability standard.
- Tape packaging for automatic insertion.

**Ordering information :**
**MF 1112 - 472 K - TF**

(1) (2) (3) (4) (5)

- (1) Type : Filter chokes with Molded cap.
- (2) Style : Outside size
- (3) Inductance : 472 for 4700uH.
- (4) Inductance tolerance :  
**J** : ±5% ; **K** : ±10% ; **M** : ±20% .
- (5) Packing : "TF": Tape ; No code: Bulk.

**Inductance and rated current ranges :**

- MF0709      1.0uH ~ 1.5mH      5.0A ~ 0.16A
- MF0809      2.2uH ~ 1.5mH      4.0A ~ 0.18A
- MF1112      3.3uH ~ 15mH      5.9A ~ 0.12A

**Characteristics :**

- I sat: The current when the inductance becomes 20% (1112 is 10%) lower than its initial value. (Ta=20°C)
- I rms: The current when temperature of coil increases up to Max. ΔT=25°C. (Ta=20°C)
- Operating temperature : -20 °C to 80 °C.

**Test equipments and test setup :**

- L HP4284A Precision LCR meter @1kHz 0.25v.
- Q : HP4285A Precision LCR meter.
- DCR Milli-ohm meter.
- SRF : HM9461 L-SRF meter or equivalent.
- Electrical specifications at 25°C .

**Applications :**

- Televisions,VCD, DVD.
- Personal computer.
- Switching Power Supplies.
- Telecommunication devices.

Part No.	L @1kHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Ref.	DCR (Ohm) Max.	Rated current (A) Max.	
						I sat	I rms
<b>MF0709-1R0M</b>	<b>1.0</b>	<b>10</b>	<b>7.96MHz</b>	<b>70</b>	<b>0.006</b>	<b>6.6</b>	<b>5.0</b>
MF0709-1R5M	1.5	10	7.96MHz	56	0.008	5.4	4.3
MF0709-2R2M	2.2	10	7.96MHz	45	0.011	4.0	3.7
MF0709-3R3M	3.3	10	7.96MHz	36	0.018	3.6	2.9
MF0709-4R7M	4.7	10	7.96MHz	29	0.022	3.1	2.6
MF0709-6R8M	6.8	10	7.96MHz	24	0.028	2.5	2.3
<b>MF0709-100K</b>	<b>10</b>	<b>20</b>	<b>2.52MHz</b>	<b>19</b>	<b>0.043</b>	<b>2.1</b>	<b>1.9</b>
MF0709-150K	15	20	2.52MHz	15	0.056	1.7	1.6
MF0709-220K	22	20	2.52MHz	12	0.086	1.4	1.3
MF0709-330K	33	20	2.52MHz	9.4	0.14	1.1	1.0
MF0709-470K	47	20	2.52MHz	7.6	0.17	0.96	0.94
MF0709-680K	68	20	2.52MHz	6.2	0.28	0.79	0.73
<b>MF0709-101K</b>	<b>100</b>	<b>20</b>	<b>796KHz</b>	<b>5.0</b>	<b>0.33</b>	<b>0.66</b>	<b>0.67</b>
MF0709-151K	150	20	796KHz	4.0	0.56	0.53	0.52
MF0709-221K	220	20	796KHz	3.2	0.72	0.44	0.46
MF0709-331K	330	20	796KHz	2.5	1.10	0.36	0.37
MF0709-471K	470	20	796KHz	2.0	1.7	0.30	0.30
MF0709-681K	680	20	796KHz	1.7	2.3	0.25	0.26
<b>MF0709-102K</b>	<b>1000</b>	<b>70</b>	<b>252KHz</b>	<b>1.3</b>	<b>4.3</b>	<b>0.20</b>	<b>0.19</b>
MF0709-152K	1500	50	252KHz	1.3	5.0	0.17	0.16

MF0809-2R2M	2.2	10	7.96MHz	60	0.011	5.5	4.0
MF0809-3R3M	3.3	10	7.96MHz	38	0.013	3.8	3.4
MF0809-4R7M	4.7	10	7.96MHz	30	0.017	3.7	3.0
MF0809-6R8M	6.8	10	7.96MHz	24	0.023	2.8	2.6
<b>MF0809-100K</b>	<b>10</b>	<b>20</b>	<b>2.52MHz</b>	<b>19</b>	<b>0.031</b>	<b>2.5</b>	<b>2.2</b>
MF0809-150K	15	20	2.52MHz	15	0.042	2.0	1.9
MF0809-220K	22	20	2.52MHz	12	0.070	1.6	1.5
MF0809-330K	33	20	2.52MHz	10	0.092	1.3	1.2
MF0809-470K	47	20	2.52MHz	8.2	0.13	1.1	1.0
MF0809-680K	68	20	2.52MHz	6.6	0.16	0.91	0.97
<b>MF0809-101K</b>	<b>100</b>	<b>15</b>	<b>796KHz</b>	<b>5.4</b>	<b>0.23</b>	<b>0.75</b>	<b>0.81</b>
MF0809-151K	150	15	796KHz	4.3	0.400	0.6	0.61
MF0809-221K	220	15	796KHz	3.5	0.53	0.50	0.53
MF0809-331K	330	15	796KHz	2.8	0.78	0.41	0.44
MF0809-471K	470	10	796KHz	2.3	1.0	0.34	0.39
MF0809-681K	680	10	796KHz	1.9	1.5	0.28	0.32
<b>MF0809-102K</b>	<b>1000</b>	<b>20</b>	<b>252KHz</b>	<b>1.5</b>	<b>2.2</b>	<b>0.23</b>	<b>0.26</b>
MF0809-152K	1500	30	252KHz	1.2	3.5	0.18	0.21

Part No.	L @1kHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Ref.	DCR (Ohm) Max.	Rated current (A) Max.	
						I sat	I rms
MF1112-3R3M	3.3	10	7.96MHz	36.0	0.010	8.8	5.9
MF1112-4R7M	4.7	10	7.96MHz	28	0.015	7.2	4.8
MF1112-6R8M	6.8	10	7.96MHz	18	0.016	6.1	4.6
<b>MF1112-100M</b>	<b>10</b>	<b>20</b>	<b>2.52MHz</b>	<b>16</b>	<b>0.025</b>	<b>5.0</b>	<b>3.7</b>
MF1112-150M	15	20	2.52MHz	12	0.029	4.2	3.4
MF1112-220K	22	20	2.52MHz	9.5	0.040	3.4	2.9
MF1112-330K	33	30	2.52MHz	7.0	0.062	2.8	2.3
MF1112-470K	47	30	2.52MHz	5.8	0.075	2.3	2.1
MF1112-680K	68	20	2.52MHz	4.7	0.13	1.9	1.6
<b>MF1112-101K</b>	<b>100</b>	<b>20</b>	<b>796KHz</b>	<b>3.8</b>	<b>0.16</b>	<b>1.6</b>	<b>1.4</b>
MF1112-151K	150	20	796KHz	3.1	0.26	1.3	1.1
MF1112-221K	220	20	796KHz	2.5	0.33	1.1	1.0
MF1112-331K	330	20	796KHz	2.0	0.52	0.88	0.82
MF1112-471K	470	10	796KHz	1.6	0.66	0.75	0.72
MF1112-681K	680	10	796KHz	1.3	1.1	0.61	0.56
<b>MF1112-102J</b>	<b>1000</b>	<b>20</b>	<b>252KHz</b>	<b>1.1</b>	<b>1.4</b>	<b>0.51</b>	<b>0.50</b>
MF1112-152J	1500	30	252KHz	0.82	2.4	0.43	0.38
MF1112-222J	2200	20	252KHz	0.76	3.2	0.35	0.33
MF1112-332J	3300	30	252KHz	0.64	4.9	0.28	0.26
MF1112-472J	4700	30	252KHz	0.54	7.6	0.24	0.21
MF1112-682J	6800	30	252KHz	0.45	9.8	0.20	0.18
<b>MF1112-103J</b>	<b>10000</b>	<b>30</b>	<b>79.6KHz</b>	<b>0.38</b>	<b>18</b>	<b>0.17</b>	<b>0.14</b>
MF1112-153J	15000	50	79.6KHz	0.29	24	0.13	0.12