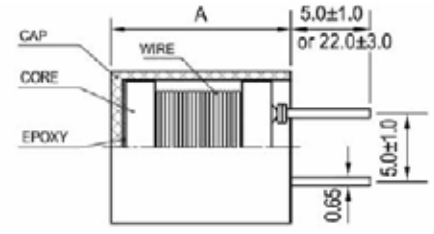
MF SERIES

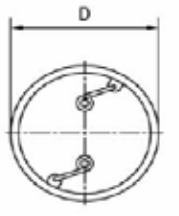
FILTER CHOKE WITH MOLDED CAP.

Applications :

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

Shape and Dimensions (Dimensions are in mm) :





Item	A±0.3	D
MF0709	9.5	7.8 ±0.3
MF0809	9.5	8.8 +0.6/-0
MF1112	12.2	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 high current.
- Best for the power supply line applications.
- High dimensional accuracy.
- Meets UL 94V-0 flammability standard.
- Tape packaging for auto-insertion.

Product Identification :

MF 1112 – 472 K - TF

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

(1) Type: **F**ilter chokes with **M**olded cap.

(2) Style: **O**utside size.

(3) Inductance: "**472"** for **4700**uH.

(4) Inductance tolerance : **J**: ± 5%, **K**: ± 10%, **M**: ± 20%

(5) Packing: **"TF"**: Tape; No code: Bulk.

Characteristics :

- Saturation Current (Isat): The current when the inductance becomes 20% lower than its initial value. (Ta=20℃). (MF1112 are 10%)
- Temperature Rise Current(Irms): The current when temperature of coil increase up to max.△T=25℃. (Ta=20℃).
- Operating temperature ranges: -20 to 80℃.

Test equipments :

- L: HP4284A Precision LCR meter @1kHz 0.25V
- Q: HP4285A Precision LCR meter.
- DCR : Millil-ohm meter
- SRF : HM9461 L-SRF meter or equivalent.
- Electrical specifications at 25 ℃

● MF0709/ 0809 series

Part No.	L @1kHz (uH)	Q Min.	Q Test Freq.	SRF Ref. (MHz)	DCR (Ω) Max.	Rated current(A) Max.	
						I sat.	I rm
MF0709-1R0M	1.0	10	7.96MHz	70	0.006	6.6	5.0
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	7.6	0.17	0.96	0.94
MF0709-100K	10	20	2.52MHz	6.2	0.28	0.79	0.73
MF0709-150K	15	20	2.52MHz	5.0	0.33	0.66	0.67
MF0709-220K	22	20	2.52MHz	4.0	0.56	0.53	0.52
MF0709-330K	33	20	2.52MHz	3.2	0.72	0.44	0.46
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
MF0709-101K	100	20	796KHz	5.0	0.33	0.66	0.67
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	1.1	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
MF0709102K	1000	70	252KHz	1.3	4.3	0.20	0.19
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
MF0809-100K	10	20	2.52MHz	19	0.031	2.5	2.2
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
MF0809-101K	100	15	796KHz	5.4	0.23	0.75	0.81
MF0809-151K	150	15	796KHz	4.3	0.40	0.60	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
MF0809-102K	1000	20	252KHz	1.5	2.2	0.23	0.26
MF0809-152K	1500	30	252KHZ	1.2	3.5	0.18	0.21

● MF1112 series

Part No.	L @1kHz (uH)	Q Min.	Q Test Freq.	SRF Ref. (MHz)	DCR (Ω) Max.	Rated current (A) Max.	
						I sat	I rms
MF1112-3R3M	3.3	10	7.96MHz	36	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
MF1112-100M	10	20	2.52MHz	16	0.025	5.0	3.7
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
MF1112-101K	100	20	796KHz	3.8	0.16	1.6	1.4
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
MF1112-102J	1000	20	252KHz	1.1	1.4	0.51	0.50
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
MF1112-103J	10000	30	79.6KHz	0.38	18	0.17	0.14
MF1112-153J	15000	50	79.6KHz	0.29	24	0.13	0.12

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.