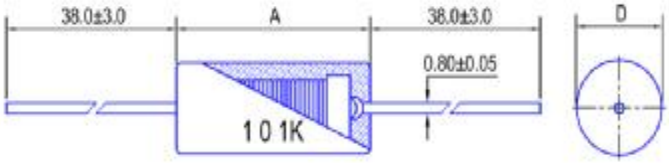
MF SERIES

MOLDED FILTER .

Applications :

- TVs and Audio equipment.
- Telecommunication devices.
- RF filters.
- Other noise filters.

Shape and Dimensions (Dimensions are in mm) :



Item	A ±0.5	D
MF0616	16.4	By Each P/N
MF6514	14.5	By Each P/N

Features :

- Well defined body dimensions.
- Smooth surface and sharper corners.
- High reliability.
- High saturation current.
- Tape and reel packaging for auto-insertion.
- RoHS compliant.

Product Identification :

MF 0616 - 101 K – T5X2

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

(1) Series : **M**olded **F**ilters.

(2) Style: size dimension.

(3) Inductance: **101** for **100**uH.

(4) Inductance tolerance:

J: ± 5%; **K**: ± 10%; **M**: ± 20%;

(5) Packing: T5X2: Tape; No code: Bulk.

Characteristics :

- Saturation Current (Isat): The current when the inductance becomes 20% lower than its initial value.(Ta=20℃).
- Temperature Rise Current(Irms): The current when temperature of coil increase up to max.
  △T=40℃.(Ta=20℃)
- Operating temperature : -25℃ to 125 ℃.

Test equipment :

- L: LCR meter. @1kHz 0.25V.
- DCR: Milli-ohm meter.
- Electrical specifications at 25 ℃.

● MF0616 series

Part No.	L (uH) @1kHz	DCR (Ω) Max.	Saturation Current (A)Max.	Temperature Rise Current (A)Max.
MF0616 -3R9K	3.9	0.019	7.3	1.28
MF0616 -4R7K	4.7	0.022	6.3	1.28
MF0616 -5R6K	5.6	0.024	5.6	1.28
MF0616 -6R8K	6.8	0.026	5.3	1.28
MF0616 -8R2K	8.2	0.028	4.5	1.28
MF0616 -100K	10	0.033	4.1	1.28
MF0616 -120K	12	0.037	3.6	1.28
MF0616 -150K	15	0.040	3.3	1.28
MF0616 -180K	18	0.044	3.0	1.28
MF0616 -220K	22	0.050	2.7	1.28
MF0616 -270K	27	0.058	2.5	1.28
MF0616 -330K	33	0.075	2.2	1.008
MF0616 -390K	39	0.094	2.0	0.804
MF0616 -470K	47	0.109	1.8	0.804
MF0616 -560K	56	0.140	1.7	0.804
MF0616 -680K	68	0.145	1.5	0.804
MF0616 -820K	82	0.152	1.4	0.804
MF0616 -101K	100	0.208	1.2	0.632
MF0616 -121K	120	0.283	1.1	0.508
MF0616 -151K	150	0.340	1.0	0.508
MF0616 -181K	180	0.362	0.95	0.508
MF0616 -221K	220	0.430	0.86	0.508
MF0616 -271K	270	0.557	0.77	0.400
MF0616 -331K	330	0.665	0.70	0.400
MF0616 -391K	390	0.772	0.64	0.400
MF0616 -471K	470	1.15	0.59	0.315
MF0616 -561K	560	1.27	0.54	0.315
MF0616 -681K	680	1.61	0.49	0.250
MF0616 -821K	820	1.96	0.44	0.200
MF0616 -102K	1000	2.30	0.40	0.200
MF0616 -122K	1200	2.65	0.35	0.200
MF0616 -152K	1500	3.45	0.33	0.158
MF0616 -182K	1800	4.03	0.29	0.158
MF0616 -222K	2200	4.48	0.27	0.158
MF0616 -272K	2700	5.90	0.24	0.125
MF0616 -332K	3300	6.56	0.22	0.125
MF0616 -392K	3900	8.63	0.20	0.100
MF0616 -472K	4700	10.5	0.18	0.100
MF0616 -562K	5600	13.9	0.166	0.082
MF0616 -682K	6800	16.3	0.151	0.082
MF0616 -822K	8200	20.8	0.136	0.065
MF0616 -103K	10000	26.4	0.125	0.050
MF0616 -123K	12000	29.9	0.114	0.050
MF0616 -153K	15000	42.5	0.098	0.039
MF0616 -183K	18000	48.3	0.091	0.039

● MF6514 series

Part No.	L (uH) @1kHz	DCR (Ω) Max.	Saturation Current (A)Max.	Temperature Rise Current (A)Max.
MF6514 -1R0K	1.0	0.010	8.0	2.57
MF6514 -1R2K	1.2	0.010	7.0	2.57
MF6514 -1R5K	1.5	0.010	6.0	2.57
MF6514 -1R8K	1.8	0.011	5.5	2.26
MF6514 -2R2K	2.2	0.011	5.0	2.26
MF6514 -2R7k	2.7	0.013	4.5	2.00
MF6514 -3R3K	3.3	0.015	4.2	2.00
MF6514 -3R9K	3.9	0.018	3.8	1.57
MF6514 -4R7K	4.7	0.020	3.5	1.57
MF6514 -5R6K	5.6	0.022	3.2	1.57
MF6514 -6R8K	6.8	0.024	3.0	1.57
MF6514 -8R2K	8.2	0.027	2.7	1.57
MF6514 -100K	10	0.034	2.5	1.27
MF6514 -120K	12	0.038	2.2	1.27
MF6514 -150K	15	0.050	2.0	1.00
MF6514 -180K	18	0.057	1.8	1.00
MF6514 -220K	22	0.064	1.6	1.00
MF6514 -270K	27	0.074	1.5	1.00
MF6514 -330K	33	0.094	1.3	0.81
MF6514 -390K	39	0.105	1.2	0.81
MF6514 -470K	47	0.150	1.1	0.76
MF6514 -560K	56	0.180	1.0	0.76
MF6514 -680K	68	0.200	0.95	0.76
MF6514 -820K	82	0.240	0.90	0.64
MF6514 -101K	100	0.260	0.80	0.55
MF6514 -121K	120	0.280	0.70	0.55
MF6514 -151K	150	0.330	0.62	0.55
MF6514 -181K	180	0.470	0.56	0.39
MF6514 -221K	220	0.740	0.50	0.25
MF6514 -271K	270	0.830	0.46	0.25
MF6514 -331K	330	0.940	0.42	0.25
MF6514 -391K	390	1.05	0.38	0.25
MF6514 -471K	470	1.20	0.35	0.25
MF6514 -561K	560	1.52	0.32	0.20
MF6514 -681K	680	1.74	0.30	0.20
MF6514 -821K	820	2.0	0.26	0.20
MF6514 -102K	1000	3.1	0.24	0.14
MF6514 -122K	1200	3.4	0.22	0.14
MF6514 -152K	1500	4.6	0.20	0.09
MF6514 -182K	1800	5.3	0.18	0.09
MF6514 -222K	2200	8.7	0.16	0.06
MF6514 -272K	2700	10.0	0.15	0.06
MF6514 -332K	3300	11.2	0.13	0.06
MF6514 -392K	3900	12.6	0.12	0.06
MF6514 -472K	4700	20	0.11	0.04
MF6514 -562K	5600	22	0.10	0.04
MF6514 -682K	6800	25	0.09	0.04
MF6514 -822K	8200	35	0.08	0.03
MF6514 -103K	10000	38	0.07	0.03

* 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.