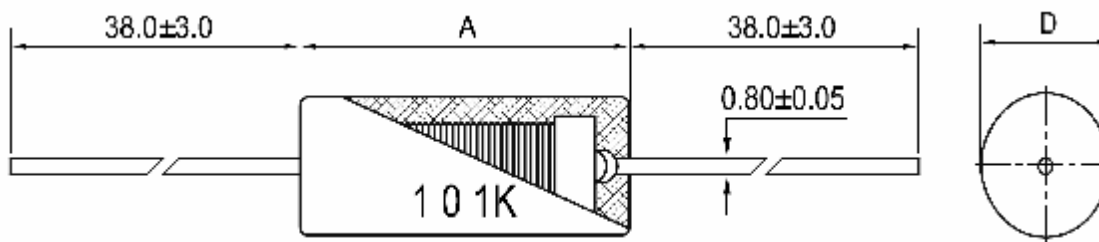


**Shape and size : (Dimensions are in mm)**


3 L P/N	A	D
MF0616	16.4±0.5	6.9±0.3
MF6514	14.5±0.4	6.5±0.3


**Features :**

- Have well defined body dimensions.
- Smooth surfaces and sharper corners..
- High reliability .
- High saturation current .
- Inductance value is marked .
- Tape and reel packaging for automatic insertion.

**Ordering information :**

**MF 0616 - 101 K - T5X2**

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

- (1) Type : **Molded Filter.**
- (2) Style : Outside size **D=6.9; L=16.4 mm .**
- (3) Inductance : "**101**" for **100 uH**
- (4) Inductance tolerance :  
**"J" : ±5% ; "K" : ±10% ; "M": ± 20% .**
- (5) Packing : **T5X2** Tape; No code: Bulk

**Inductance and rated current ranges :**

- MF0616    3.9 uH ~ 18mH    1.28A ~ 39mA
- MF6514    1.0 uH ~ 10mH    2.57A ~ 30mA

**Characteristics :**

- I sat: The current when the inductance becomes 20% lower than its initial value. (Ta=20°C)
- Suggested current: copper wire current density about 8.0 A/mm<sup>2</sup>
- Operating temperature : -40 °C to 105 °C .

**Test equipments and test setup :**

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

**Applications :**

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

Part No.	L (uH) @1kHz	DCR (Ohm) Max.	I sat. (DC Amps) Max.	Suggested Rated
				Current (AC Amps) Ref.
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

Part No.	L ( $\mu$ H) @1kHz	DCR (Ohm) Max.	I sat. (DC Amps) Max.	Suggested Rated Current (AC Amps) Ref.
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