

## Type MF0616

### Moulded coil

### 3.9 $\mu$ H ~ 18milliH

- # Ferrite core
- # UL - 94V2 rated
- # Medium current
- # (-20 +140) $^{\circ}$ C
- # Moulded polypropylene - Vz

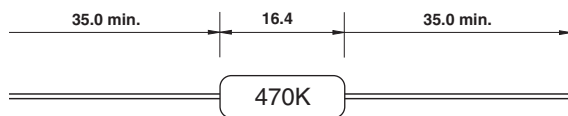
The MF0616 moulded inductors are designed for medium power applications and are UL - 94V2 rated, they have a good combination of small size, high inductance and power rating and are competitively priced for commercial production.

Windings are enamelled copper on a ferrite former with a moulded polypropylene encapsulation giving a rugged and moisture resistant high temperature assembly.

### Electrical specification

Case style	MF0616 axial
Range	3.9 $\mu$ H to 18milliH
Temperature range	(-20 +140) $^{\circ}$ C
Voltage rating	250V r.m.s. max.
Current rating	Based on max. permissible temp. rise during operation
Lead tensile strength	1.0Kg min.
Lead bending strength	0.3Kg min.
Moisture resistance	$\mu$ H $\pm$ 5% max., Q $\pm$ 20% max., relative humidity 90% ~ 95%, +40 $^{\circ}$ C, 24 hours

### Dimensions(mm)



Body diam: 6.3  $\pm$ 0.1mm  
Lead diam: 0.8mm  
Inductance measured at 1kHz

### Standard values

TFC Part No.	$\mu$ H $\pm$ 10%	$\Omega$ d.c. max.	Sat. I d.c. Amps.	I d.c. max. Amps.
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	0.131	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	0.712	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	5.40	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	9.66	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	0.138	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

Tape and reel quantity: 1500 pieces per reel or bulk packed