

Type MF6514

Moulded coil

1 μ H ~ 10milliH

- # Ferrite core
- # UL - 94V0 rated
- # Medium current
- # (-40 +140) $^{\circ}$ C
- # Moulded polypropylene - Vz

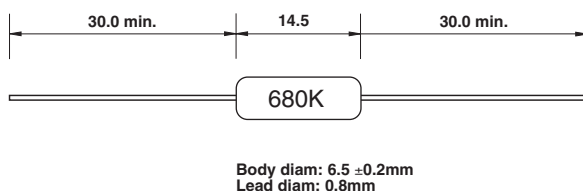
The MF6514 moulded inductors are designed for medium power applications as data line chokes and are UL - 94V0 rated, they have a good combination of small size, high inductance and power rating and are competitively priced for commercial production.

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 | MF6514 axial |
| Range | 1 μ H to 10milliH |
| Test frequency | 1kHz |
| Temperature range | (-40 +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 | μ H \pm 5% max., Q \pm 20% max., relative humidity 90% ~ 95%, +40 $^{\circ}$ C, 24 hours |

Dimensions(mm)



Standard values

| TFC Part No. | μ H max. | Ω d.c. max. | I d.c. mA |
|--------------|--------------|--------------------|-----------|
| MF6514-1R0M | 1.0 | 0.010 | 2570 |
| MF6514-1R2M | 1.2 | 0.010 | 2570 |
| MF6514-1R5M | 1.5 | 0.010 | 2570 |
| MF6514-1R8M | 1.8 | 0.011 | 2260 |
| MF6514-2R2M | 2.2 | 0.011 | 2260 |
| MF6514-2R7M | 2.7 | 0.013 | 2000 |
| MF6514-3R3M | 3.3 | 0.150 | 2000 |
| MF6514-3R9M | 3.9 | 0.180 | 1570 |
| MF6514-4R7M | 4.7 | 0.200 | 1570 |
| MF6514-5R6M | 5.6 | 0.022 | 1570 |
| MF6514-6R8M | 6.8 | 0.024 | 1570 |
| MF6514-8R2M | 8.2 | 0.027 | 1570 |
| MF6514-100K | 10 | 0.034 | 1270 |
| MF6514-120K | 12 | 0.380 | 1270 |
| MF6514-150K | 15 | 0.500 | 1000 |
| MF6514-180K | 18 | 0.057 | 1000 |
| MF6514-220K | 22 | 0.064 | 1000 |
| MF6514-270K | 27 | 0.074 | 1000 |
| MF6514-330K | 33 | 0.094 | 810 |
| MF6514-390K | 39 | 0.105 | 810 |
| MF6514-470K | 47 | 0.128 | 760 |
| MF6514-560K | 56 | 0.140 | 760 |
| MF6514-680K | 68 | 0.163 | 760 |
| MF6514-820K | 82 | 0.210 | 640 |
| MF6514-101K | 100 | 0.260 | 550 |
| MF6514-121K | 120 | 0.280 | 550 |
| MF6514-151K | 150 | 0.330 | 550 |
| MF6514-181K | 180 | 0.470 | 390 |
| MF6514-221K | 220 | 0.740 | 250 |
| MF6514-271K | 270 | 0.830 | 250 |
| MF6514-331K | 330 | 0.940 | 250 |
| MF6514-391K | 390 | 1.05 | 250 |
| MF6514-471K | 470 | 1.20 | 250 |
| MF6514-561K | 560 | 1.52 | 200 |
| MF6514-681K | 680 | 1.74 | 200 |
| MF6514-821K | 820 | 2.00 | 200 |
| MF6514-102K | 1000 | 3.10 | 140 |
| MF6514-122K | 1200 | 3.40 | 140 |
| MF6514-152K | 1500 | 4.60 | 90 |
| MF6514-182K | 1800 | 5.30 | 90 |
| MF6514-222K | 2200 | 8.70 | 60 |
| MF6514-272K | 2700 | 10.0 | 60 |
| MF6514-332K | 3300 | 11.2 | 60 |
| MF6514-392K | 3900 | 12.6 | 60 |
| MF6514-472K | 4700 | 20 | 40 |
| MF6514-562K | 5600 | 22 | 40 |
| MF6514-682K | 6800 | 25 | 40 |
| MF6514-822K | 8200 | 35 | 30 |
| MF6514-103K | 10000 | 38 | 30 |

Tape and reel quantity: 1000 pieces per reel or bulk packed