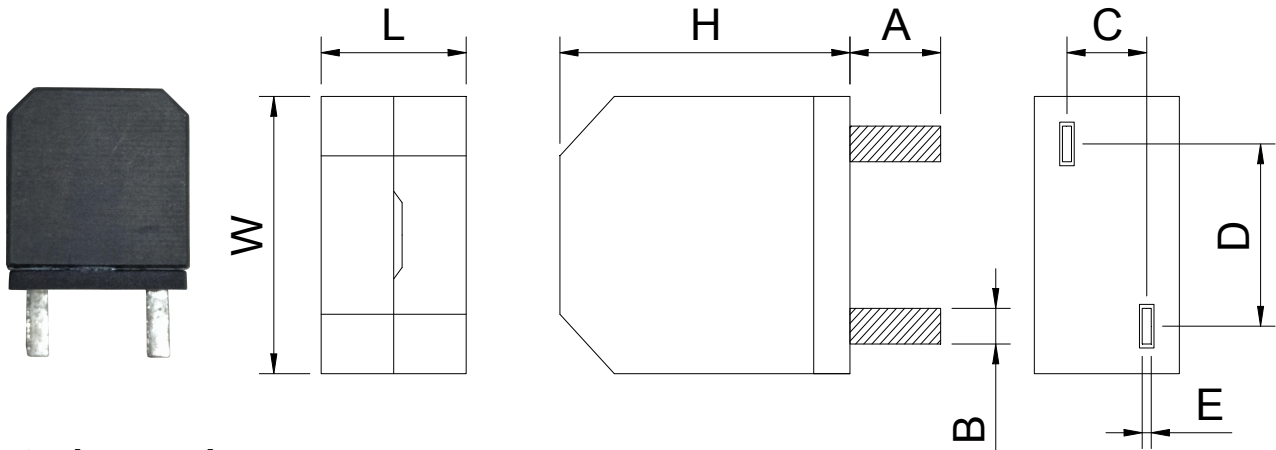


1. Dimensions (mm)

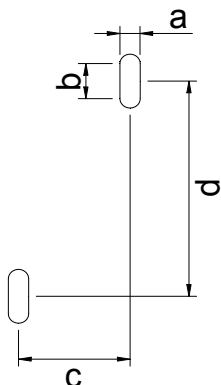


Flat wire used.

	L	W	H	A	B	C	D	E
M7G14F-100M01	7.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	3.3±1.0	9.2±0.5	0.5±0.5
M7G14F-150M01	9.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	4.4±1.0	9.2±0.5	0.5±0.5
M7G14F-220M01	9.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	5.3±1.0	9.2±0.5	0.5±0.5
M7G14F-270M01	9.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	4.4±1.0	9.2±0.5	0.33±0.5
M7G14F-330M01	9.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	5.3±1.0	9.2±0.5	0.33±0.5
M7G14F-4R7Y01	7.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	3.3±1.0	9.2±0.5	0.5±0.5
M7G14F-100M01	7.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	3.3±1.0	9.2±0.5	0.33±0.5
M7G14F-150M01	9.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	4.4±1.0	9.2±0.5	0.33±0.5
M7G14F-220M01	9.6±1.0	14.0±1.0	16.0 max.	5.0±0.5	1.8±0.5	4.4±1.0	9.2±0.5	0.33±0.5

Dimensions do not include solder on the Pins

2.Recommended Land Pattern



Symbol	Dimensions(mm)
a	0.8
b	1.5
c	4.4
d	9.2

**RoHS
Compliant**

3. Electrical Characteristics

Part Number	Inductance (μH) ①	Inductance tolerance	DCR (mΩ) typ.②	DCR (mΩ) max.②	Isat max. (A)③	Irms typ. (A) ④
M7G14F-100M01	10	±20%	4.9	5.9	8.3	7.8
M7G14F-150M01	15	±20%	6.9	8.3	7.5	7.3
M7G14F-220M01	22	±20%	8.3	10	7.0	6.6
M7G14F-270M01	27	±20%	13.2	15.7	6.5	5.4
M7G14F-330M01	33	±20%	14.1	17.5	6.1	5.1
M7G14F-4R7Y01	4.7	±30%	4.9	5.9	20	7.8
M7G14F-100M01	10	±20%	10.2	12.3	13.5	6.2
M7G14F-150M01	15	±20%	13.2	15.7	9.5	5.4
M7G14F-220M01	22	±20%	14.6	17.5	9.0	5.1

① Inductance tested at 1kHz/0.1V,using an Agilent/HP 4192A or equivalent.

② DCR measured on a micro-ohmmeter.

③ Isat : The DC current at which the inductance decreases by 25% of it's initial value.

④ Irms: The DC current at which $\Delta t=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).