

EMC Chip Filters

M-500CT/M-600T Series

[RoHS Compliant]



- Tape and Reel Dimensions (see page 44-46)
- Precautions (see page 43)

M-500CT Series

Model	Rated voltage DC (V)	Rated current DC (A)	Impedance (Ω) min.	DC resistance (m Ω) max.	Operating temperature range ($^{\circ}$ C)
M-521CT	50	1.0	700 (at 10 MHz)	100	-25 to +85
M-522CT	50	1.0	200 (at 20 MHz)	100	-25 to +85
M-523CT	50	1.5	200 (at 20 MHz)	65	-25 to +85
M-524CT	80	0.5	700 (at 10 MHz)	100	-25 to +85
M-532CT	50	0.5	450 (at 100 MHz)	90	-25 to +85
M-538CT	50	0.1	800 (at 100 MHz)	220	-25 to +70
M-542CT	50	0.5	200 (at 10 MHz)	120	-20 to +75
M-543CT	50	1.0	700 (at 10 MHz)	100	-25 to +85

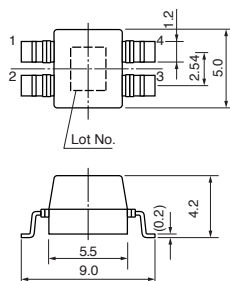
M-600T Series

Model	Rated voltage DC (V)	Rated current DC (A)	Impedance (Ω) min.	DC resistance (m Ω) max.	Operating temperature range ($^{\circ}$ C)
M-608T	50	0.1	300 (at 100 MHz)	80	-20 to +80
M-614T	50	0.1	1000 (at 50 MHz)	120	-20 to +80
M-620T	50	0.1	1000 (at 30 MHz)	160	-20 to +80

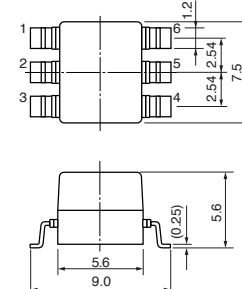
- Insulation resistance: more than 10M Ω (100V DC, between lines)

Shape and Dimensions

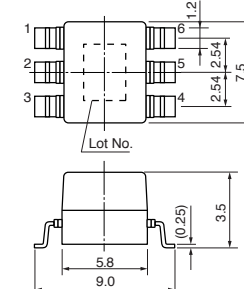
● M-521CT, M-522CT, M-523CT, M-524CT



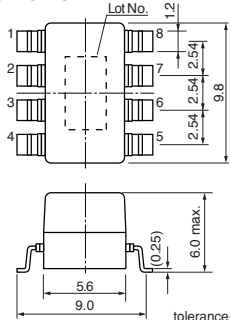
● M-532CT



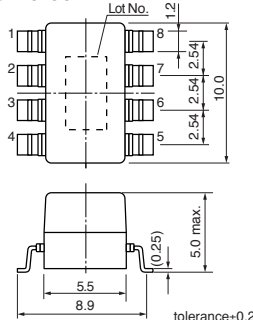
● M-538CT



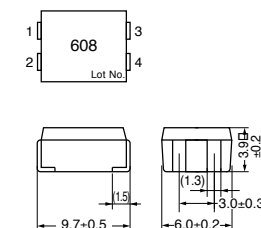
● M-542CT



● M-543CT



● M-608T, M-614T, M-620T



[mm]

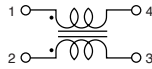
DC Line Filters VOL.08



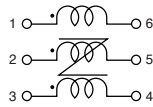
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Circuit Diagram

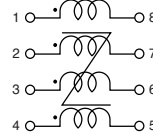
●M-521CT, M-522CT, M-523CT, M-524CT



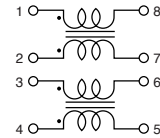
●M-532CT, M-538CT



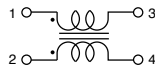
●M-542CT



●M-543CT

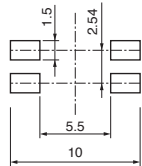


●M-608T, M-614T, M-620T

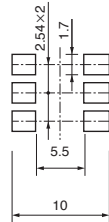


Recommended Land Pattern

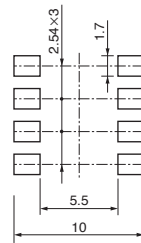
●M-521CT, M-522CT
M-523CT, M-524CT



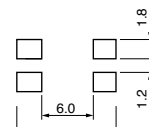
●M-538CT, M-532CT



●M-542CT, M-543CT

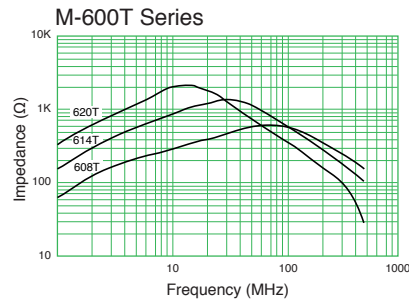
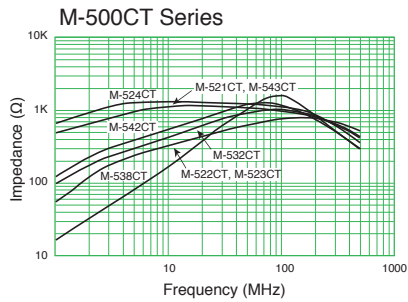


●M-608T, M-614T, M-620T



[mm]

Impedance vs. Frequency



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