

SMD Wire Wound Common Mode Line Filter---CLF Series



Feature

- Compact Size.
- Mn-Zn and Ni-Zn cores for different noise suppression frequency range.
- RoHS compliant.
- Operating temperature range $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise).

Application

- Low voltage Power Supply.
- CAN BUS.

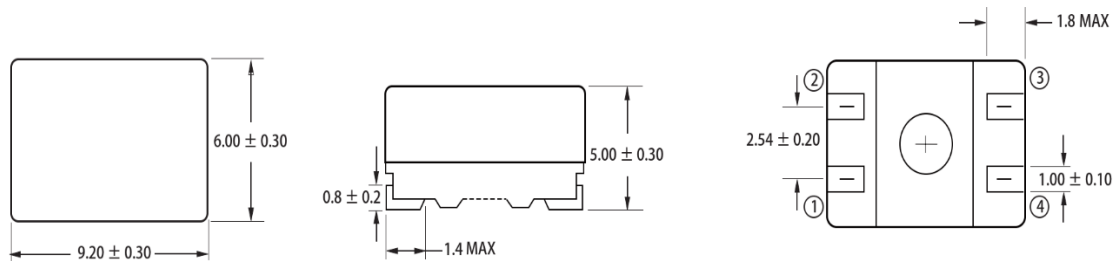
Production identification

CLF 9060 - 510 Y
 ① ② ③ ④

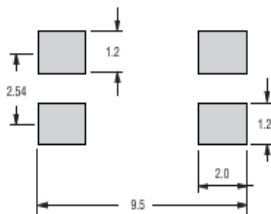
- ① Series name: SMD Common Mode Line Filter
- ② Size: $9.2 \times 6.0 \times 5.0 \text{ mm}$
- ③ Inductance: $51 \mu\text{H}$
- ④ Tolerance: $\pm 30\%$ or $\pm 50\%$

Series Shape and Dimensions (Unit:mm)

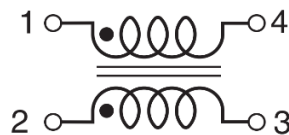
Dimensions(mm):



Recommended Layout:



Schematic:



Notes:

CLF9060 SPQ=1000.

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CLF9060 Electrical Characteristics

Part Number	Inductance (μ H)	DCR Max (Ω)	Rate Current (A)	Impedance(Z)	
				Freq. Range(MHz)	Min. Value(Ω)
CLF9060-100Y	10+50%/-30%	0.08	1.6	20-300	200
CLF9060-250Y	25 $\pm$ 30%	0.16	1.0	20-150	600
CLF9060-400Y	40 $\pm$ 30%	0.25	0.9	20-100	800
CLF9060-510Y	51 $\pm$ 30%	0.16	1.0	20-100	1500
CLF9060-251Y	250 $\pm$ 50%	0.13	1.2	3.0-20	600
CLF9060-471Y	470 $\pm$ 50%	0.14	1.1	2.0-20	1000
CLF9060-501Y	500 $\pm$ 50%	0.15	1.0	1.0-20	1000
CLF9060-102Y	1000 $\pm$ 50%	0.31	0.8	1.0-15	1500
CLF9060-202Y	2000 $\pm$ 50%	0.42	0.6	1.0-5	3000
CLF9060-472Y	4700 $\pm$ 50%	0.90	0.4	0.3-3	4000
CLF9060-652Y	6500 $\pm$ 50%	1.05	0.3	0.3-2	5000

Typical Impedance vs. Frequency Curves

