

SMD LINE FILTER

SF 0905 SERIES



FEATURES:

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Wide frequency range over 1000MHz

OPTIONS:

- Tape & Reel is Standard (Qty:1000pcs)
- Bulk packaging Available for Smaller Quantities

COMMON APPLCATIONS:

- Provide common mode noise attenuation
- Reduce conducted noise
- For the suppression of EMI in data lines and signal lines,e.g.,CAN Bus

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L1,L2 (μ H)	Test Condition	DC Resistance N1,N2(Ω)	Nominal voltage vac(V)	Rated Current (A)	Impedance (Ω)	Freq. range (MHz.)
SF 0905							
100YS	10 $\pm$ 30%	0.1V, 1KHz	0.080 max.	50	1.60	200 min	20~300
250YS	25 $\pm$ 30%	0.1V, 1KHz	0.160max.	50	1.00	600min	20~150
400YS	40 $\pm$ 30%	0.1V, 1KHz	0.250max.	50	0.90	800min	20~100
500YS	50 $\pm$ 30%	0.1V, 1KHz	0.320max.	50	0.80	1500min	20~100
251YS	250 $\pm$ 50%	0.1V, 100KHz	0.130max.	50	1.20	600min	3~20
471YS	470 $\pm$ 50%	0.1V, 100KHz	0.140max.	50	1.10	1000min	2~20
501YS	500 $\pm$ 50%	0.1V, 100KHz	0.150max.	50	1300	1000 min	1~20
102YS	1000 $\pm$ 50%	0.1V, 100KHz	0.310max.	50	0.80	1500 min	1~15
202YS	2000 $\pm$ 50%	0.1V, 100KHz	0.420max.	50	0.60	3000 min	1~5
472YS	4700 $\pm$ 50%	0.1V, 100KHz	0.900max.	50	0.40	4000 min	0.3~3
652YS	6500 $\pm$ 50%	0.1V, 100KHz	1.050max.	50	0.30	5000 min	0.3~2

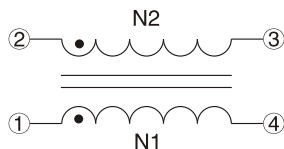
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

• Materials:

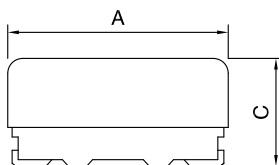
1. Core: Ferrite Toroidal Core
2. Wire: Enamelled Copper Wire
3. Base: LCP
4. Case: LCP
5. Terminal: Tinned Copper Plate

• General Specification:

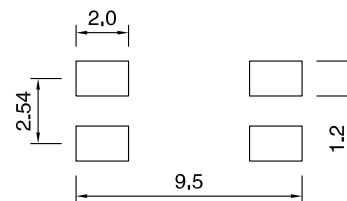
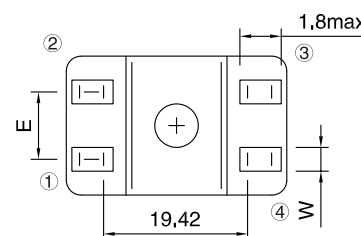
1. Storage Temperature: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$
2. Operation Temperature: $-40^{\circ}\text{C} - +85^{\circ}\text{C}$
3. Temperature Rise : 45°C max. at Rated Current
4. Resistance to solder heat: 260°C , 10 secs.



“•”: Polarity



Dimensions(mm)



(PCB Pattern)

Series	A	B	C	E	F	W
SF 0905	9.20 $\pm$ 3.0	6.00 $\pm$ 0.30	5.00 $\pm$ 0.30	2.54 $\pm$ 0.20	5.70 ref.	1.00 $\pm$ 0.10

Note:All specifications subject to change without notice.