

LINE FILTER

SF0905 SERIES

FEATURES:

- Current rating up to 1.6A
- Inductance range: 10 to 6500uH
- Frequency range to 300 MHz
- RoHS compliant

OPTIONS:

- Packaging: Tape & Reel is standard
- Bulk packaging available for smaller quantities

COMMON APPLICATIONS:

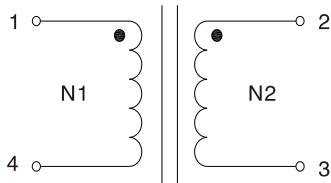
- DC-DC Conversion
- Isolation /Coupling
- Input filter
- Against CMC noise at composite
- EMI suppression

ELECTRICAL CHARACTERISTICS:@25°C

Part Number	L (μH)	Lk (nH) typ @ 1MHz	DCR(mΩ)Max each winding	Rated current (A)	Impedance(Z)	
					Frequency Range (MHz)	Min value (Ω)
SF0905-100Y	10 ± 50%	850	80	1.6	20-300	200
SF0905-250Y	25 ± 50%	1942	160	1.0	20-150	600
SF0905-400Y	40 ± 50%	2812	250	0.9	20-100	800
SF0905-500Y	50 ± 50%	3150	320	0.8	20-100	1500
SF0905-251Y	250 ± 50%	110	130	1.2	3-20	600
SF0905-471Y	470 ± 50%	120	140	1.1	2-20	1000
SF0905-501Y	500 ± 50%	120	150	1.0	1-20	1000
SF0905-102Y	1000 ± 50%	170	310	0.8	1-15	1500
SF0905-202Y	2000 ± 50%	250	420	0.6	1-5	3000
SF0905-472Y	4700 ± 50%	360	900	0.4	0.3-3	4000
SF0905-652Y	6500 ± 50%	390	1050	0.3	0.3-2	5000

Test condition: 10-50uH: 1KHz,0.1V; 250-6500uH: 100KHz,5mV

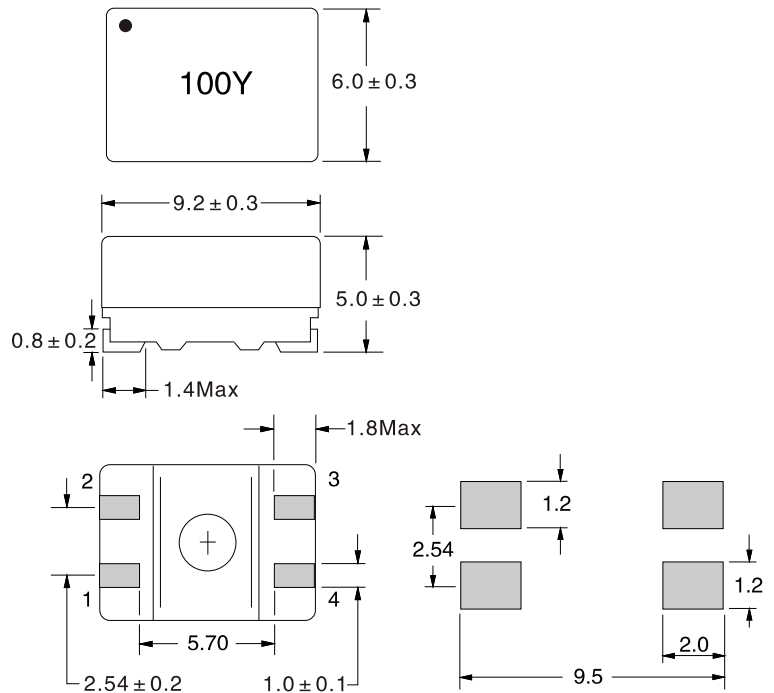
SCHEMATIC



NOTES:

1. Temperature Rise: 20°C at rated current
2. Rated Voltage: 50 Vdc
Dielectric Withstanding Voltage: 125 Vdc
3. Operating Temperature:
-40°C to +105°C(Temperature rise included)
4. Storage Temperature:
-40 °C to +105°C
Solderability: 260°C for 5 sec
5. Core MaterialFerrite
6. WireEnameled copper
7. Terminal coatingSn
8. BaseLCP
9. Packaging..... 1000 pcs. per 13-inch reel

PHYSICAL CHARACTERISTICS



Note:All specifications subject to change without notice.