SHENZHEN HIGHSTARTECH ELECTRONICS CO., LTD

HSCM2012-4532 SERIES

1. FEATURES:

（1）Lowprofile and very small size SMD Design,Wound Chip constructure with standard 2012 to 4532 size, with best EMI suppression effect but least impact to data signal wave form.

2. APPLICATIONS:

（1）Preventive measure against high speed signal radiation emissions such as USB 2.0, IEEE1394 . or LAN interface. Best for NB, DSC, mobile device design

3. PART NUMBER SYSTEM:

HSCM	2012	NF	300	T
series	dimension	reel tape/ lead free	impedance value	tolerance

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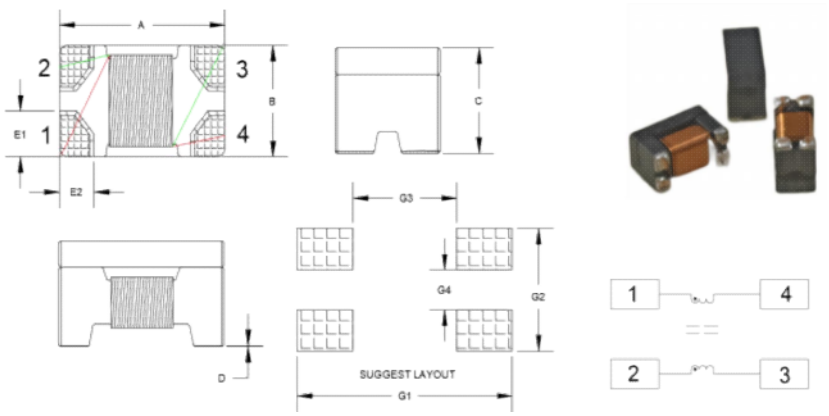
4. PHYSICAL CHARACTERISTICS:



Series	A	B	C	D	E1	E2	G1	G2	G3	G4
2012	2.0±0.2	1.2±0.2	1.2±0.2	0.15±0.1	0.52	0.42	2.3	1.4	1.15	0.2
2413	2.4±0.2	1.3±0.2	2.2±0.2	0.15±0.1	0.5	0.4	2.9	1.5	1.2	0.4
3216	3.4±0.2	1.6±0.2	2.0±0.2	0.15±0.1	0.66	0.64	3.4	1.7	2.3	0.3
3225	3.2±0.2	2.5±0.2	2.4±0.2	0.15±0.1	0.95	0.75	3.6	2.7	1.6	0.6
4532	4.5±0.2	3.2±0.2	3.05±0.2	0.15±0.1	1.0	0.6	5.0	3.4	2.8	1.1

5. ELECTRICAL CHARACTERISTICS:

Series	Turns Ratio ±3%	Common Mode Impedacne(Ω) at 100MHz	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
HSCM2012NF-300T	1:1	30±25%	0.19	500	50	125	10M
HSCM2012NF-500T	1:1	50±25%	0.19	500	50	125	10M
HSCM2012NF-600T	1:1	60±25%	0.19	500	50	125	10M
HSCM2012NF-670T	1:1	67±25%	0.19	500	50	125	10M
HSCM2012NF-750T	1:1	75±25%	0.19	500	50	125	10M
HSCM2012NF-900T	1:1	90±25%	0.19	500	50	125	10M
HSCM2012NF-101T	1:1	100±25%	0.2	300	50	125	10M
HSCM2012NF-121T	1:1	120±25%	0.22	300	50	125	10M
HSCM2012NF-151T	1:1	150±25%	0.35	300	50	125	10M
HSCM2012NF-181T	1:1	180±25%	0.5	300	50	125	10M
SCM2012NF-261T	1:1	260±25%	0.5	300	50	125	10M
HSCM2012NF-381T	1:1	380±25%	0.59	300	50	125	10M
SCM2012NF-561T	1:1	560±25%	0.59	300	50	125	10M
HSCM2012NF-601T	1:1	600±25%	0.59	300	50	125	10M
HSCM2012NF-651T	1:1	650±25%	0.8	300	50	125	10M
HSCM2012NF-801T	1:1	800±25%	0.8	300	50	125	10M
HSCM2012NF-102T	1:1	1000±25%	1.0	300	50	125	10M
HSCM2012NF-122T	1:1	1200±25%	2.0	200	50	125	10M
HSCM2012NF-142T	1:1	1400±25%	2.5	200	50	125	10M
HSCM2012NF-222T	1:1	2200±25%	3.5	80	50	125	10M

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Series	Turns Ratio ±3%	Inductance [100KHz/0.1V] uH Min	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Capacitance (pF) [100K/0.1V]	IR (Ω) Min
HSCM2413NF-450T	1:1	45	3	100	50	20	10M

Series	Turns Ratio ±3%	Inductance [100KHz/0.1V] uH Min	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Capacitance (pF) [100K/0.1V]	IR (Ω) Min
HSCM3216NF-400T	1:1	40	0.8	300	50	28	10M
HSCM3216NF-400TC10	1:1	55	0.8	300	50	10	10M
HSCM3216NF-450T	1:1	45	0.8	500	50	28	10M
HSCM3216NF-500T	1:1	50	0.8	350	50	10	10M
HSCM3216NF-550T	1:1	55	0.8	350	50	8	10M
HSCM3216NF-600T	1:1	60	0.8	300	50	28	10M
HSCM3216NF02-600T	1:1	60	1.1	300	50	28	10M

Series	Turns Ratio ±3%	Common Mode Impedacne(Ω) at 100MHz	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
HSCM3216NFZ-900T	1:1	90±25%	0.3	400	50	125	10M
HSCM3216NFZ-121T	1:1	120±25%	0.3	400	50	125	10M
HSCM3216NFZ-161T	1:1	160±25%	0.4	350	50	125	10M
HSCM3216NFZ-221T	1:1	220±25%	0.45	300	50	125	10M
HSCM3216NFZ-261T	1:1	260±25%	0.5	310	50	125	10M
HSCM3216NFZ-601T	1:1	600±25%	0.8	300	50	125	10M
HSCM3216NFZ-102T	1:1	1000±25%	1	250	50	125	10M
HSCM3216NFZ-222T	1:1	2200±25%	1.2	200	50	125	10M

Series	Turns Ratio ±3%	Common Mode Impedacne(Ω) at 100MHz	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
HSCM3225NFZ-371T	1:1	370±25%	0.1	2000	50	125	10M
HSCM3225NFZ-501T	1:1	500±25%	0.2	2000	50	125	10M
HSCM3225NFZ-601T	1:1	600±25%	0.2	1500	50	125	10M
HSCM3225NFZ-102T	1:1	1000±25%	0.5	1500	50	125	10M

Series	Turns Ratio ±3%	Common Mode Impedacne(Ω) at 100MHz	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
HSCM4532NFZ-121T	1:1	120±25%	0.07	3000	50	125	10M
HSCM4532NFZ-261T	1:1	260±25%	0.1	2500	50	125	10M
HSCM4532NFZ-601T	1:1	600±25%	0.1	2500	50	125	10M
HSCM4532NFZ-801T	1:1	800±25%	0.12	1000	50	125	10M
HSCM4532NFZ-901T	1:1	900±25%	0.07	2300	50	125	10M
HSCM4532NFZ-102T	1:1	1000±25%	0.1	2300	50	125	10M
HSCM4532NFZ-122T	1:1	1200±25%	0.15	2000	50	125	10M
HSCM4532NFZ-142T	1:1	1400±25%	0.15	2000	50	125	10M