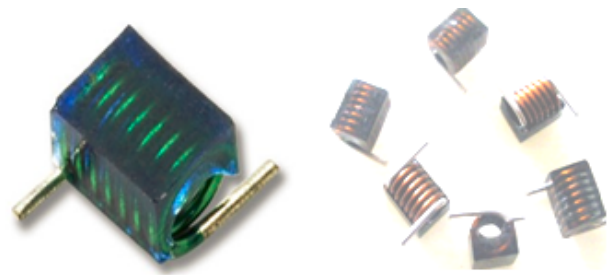


# SMD Flat Top Air Core Inductors

## Features:

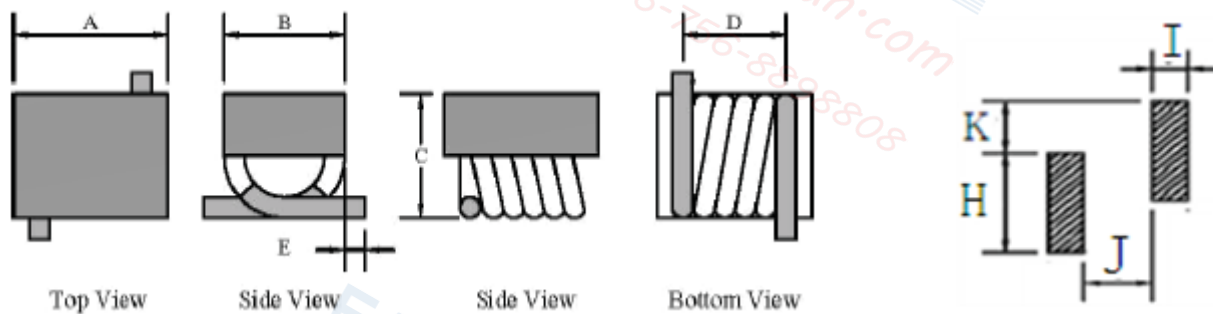
- ◆ High frequency
- ◆ High resonance frequency and high Q value
- ◆ Good easy and use structural



## Applications:

- ◆ power amplifier, antenna module, voltage controlled oscillator, and the mobile phone, such as GSM, CDMA and PDC.
- ◆ Digital TV tuner, wireless LAN and Bluetooth equipment etc..
- ◆ Pager, mobile phone and high frequency communications products, walkie talkie, CATV.

## Dimension Diagram(unit: mm) :



ITEM	A	B	C	D	H	I	J	K
SMTAM0403	3.70	3.10	3.00	2.90	3.30	1.27	1.65	2.80
SMTAM0504	4.90	3.80	3.70	4.30	5.16	1.48	2.85	2.62
SMTAM0703	6.80	3.10	3.00	5.85	3.30	1.27	4.70	2.80
SMTAM1006	10.60	6.35	6.00	8.00	4.70	2.05	5.95	2.42

## Electrical Characteristics:

Part No.	Turns	Inductance L (nH)	Quality Factor Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR (mΩ) Max.	Rated Current (mA) Max.
SMT AM0403 -2N5K	1	2.5	145	150	12500(ref)	1.1	4.0
SMT AM0403 -5N0K	2	5.0	140	150	6500(ref)	1.8	4.0
SMT AM0403 -8N0J	3	8.0	140	150	5000(ref)	2.6	4.0
SMT AM0403 -12N5J	4	12.5	137	150	3300(ref)	3.4	4.0
SMT AM0403 -18N5J	5	18.5	132	150	2500(ref)	3.9	4.0

# SMD Flat Top Air Core Inductors

SMT	AM0504 -22NJ	5	22	100	150	3200(ref)	4.2	3.0
SMT	AM0504 -27NJ	5	27	100	150	2700(ref)	4.0	3.5
SMT	AM0504 -33NJ	6	33	100	150	2500(ref)	4.8	3.0
SMT	AM0504 -39NJ	6	39	100	150	2100	4.4	3.0
SMT	AM0504 -47NJ	7	47	100	150	2100	5.6	3.0
SMT	AM0504 -56NJ	7	56	100	150	1500	6.2	3.0
SMT	AM0504 -68NJ	8	68	100	150	1500	8.2	2.5
SMT	AM0504 -82NJ	8	82	100	150	1300	9.4	2.5
SMT	AM0504 -R10J	9	100	100	150	1200	12.3	1.7
SMT	AM0504 -R12J	10	120	100	150	1100	17.3	1.5

SMT	AM0703 -17N5J	6	17.5	100	150	2200	4.5	4.0
SMT	AM0703 -22NJ	7	22.0	102	150	2100	5.2	4.0
SMT	AM0703 -28NJ	8	28.0	105	150	1800	6.0	4.0
SMT	AM0703 -35N5J	9	35.5	112	150	1500	6.8	4.0
SMT	AM0703 -43NJ	10	43.0	106	150	1200	7.9	4.0

SMT	AM1006 -90NJ	9	90	95	50	1140	15.0	3.5
SMT	AM1006 -R111J	10	111	87	50	1020	15.0	3.5
SMT	AM1006 -R130J	11	130	87	50	900	20.0	3.0
SMT	AM1006 -R169J	12	169	95	50	875	25.0	3.0
SMT	AM1006 -R206J	13	206	95	50	800	30.0	3.0
SMT	AM1006 -R222J	14	222	92	50	730	35.0	3.0
SMT	AM1006 -R246J	15	246	95	50	685	35.0	3.0
SMT	AM1006 -R307J	16	307	95	50	660	35.0	3.0
SMT	AM1006 -R380J	17	380	95	50	590	50.0	2.5
SMT	AM1006 -R422J	18	422	95	50	540	60.0	2.5
SMT	AM1006 -R491J	19	491	95	50	535	65.0	2.0
SMT	AM1006 -R538J	20	538	87	50	490	90.0	2.0

## Notes:

- 1, The inductance tolerance: J +5%;
- 2, If the standard exceeds the requirements of the above, you can also customize the product according to customer's needs!