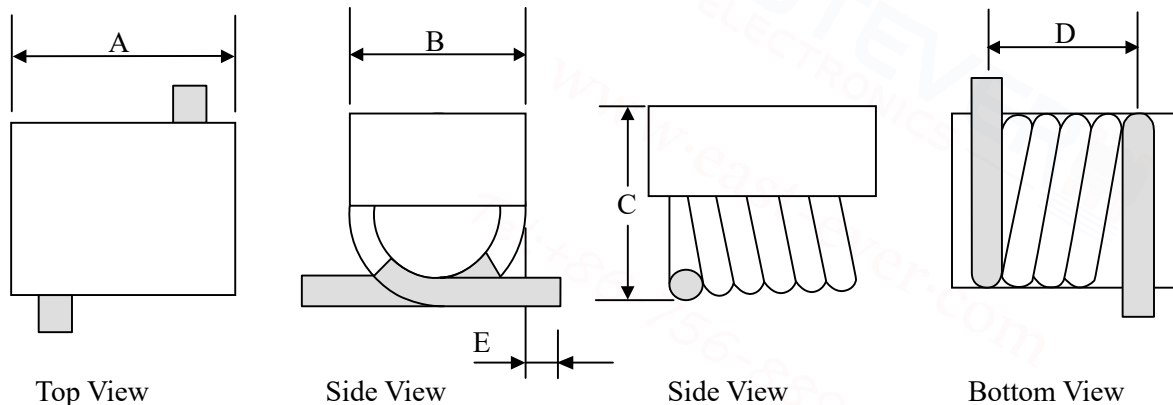


## Air Core Coil Features

- Air core inductors feature high Q and current handling
- Acrylic top provides a flat surface for pick and place
- Solder coated leads ensure reliable soldering
- Operating temperature range:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Storage temperature range:  $-55^{\circ}\text{C}$  to  $+145^{\circ}\text{C}$

## Air Core Coil Inductor Dimensions & Configurations (Unit In mm)

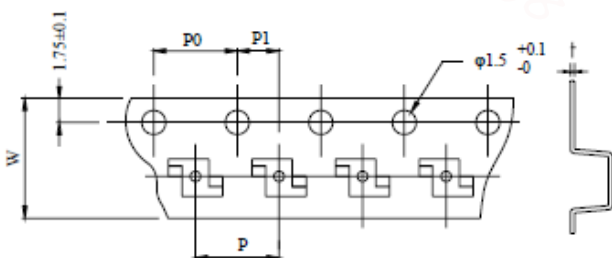


P/N Type	A	B	C	D	E
SMTAM0504	$4.90 \pm 0.3$	$3.80 \pm 0.2$	$3.50 \pm 0.2$	$4.30 \pm 0.4$	$1.00 \pm 0.3$

## Specification

Part Number	(A)Max	Inductance (nH)	Q(min)	Test Freq (MHz)	DCR (mΩ)Max	SRF(GHz)(min)
SMTAM0504- 22NJ	3.0	22	100	150	4.2	3.20
SMTAM0504- 27NJ	3.5	27	100	150	4.0	2.70
SMTAM0504 - 33NJ	3.0	33	100	150	4.8	2.50
SMTAM0504 - 39NJ	3.0	39	100	150	4.4	2.10
SMTAM0504 - 47NJ	3.0	47	100	150	5.6	2.10
SMTAM0504 - 56NJ	3.0	56	100	150	6.2	1.50
SMTAM0504 - 68NJ	2.5	68	100	150	8.2	1.50
SMTAM0504 - 82NJ	2.5	82	100	150	9.4	1.30
SMTAM0504 - 100NJ	1.7	100	100	150	12.3	1.20
SMTAM0504 - 120NJ	1.5	120	100	150	17.3	1.10
SMTAM0504 - 150NJ	1.2	150	100	150	33.0	0.75

## Tape & Reel Information



Parameter	Units	Value
Qty per reel	PCS	1200
Reel Size	mm	330
Tape Width	mm	16.00
P	mm	12.00
Po	mm	4.00
P1	mm	6.00