

SMD Flat Top Air Core Inductors

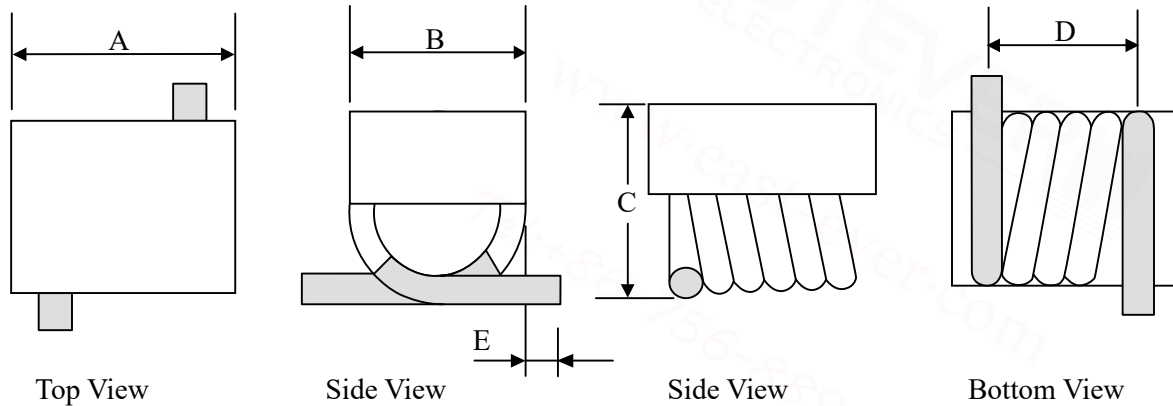


Air Core Coil Features

- 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°C to $+125^{\circ}\text{C}$
- Storage temperature range: -55°C to $+145^{\circ}\text{C}$



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

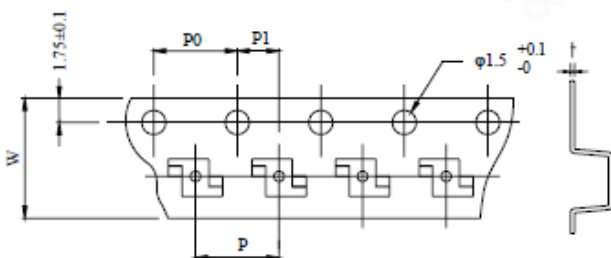


P/N Type	A	B	C	D	E
SMTAM1812	4.90 ± 0.3	3.80 ± 0.2	3.50 ± 0.2	4.30 ± 0.4	1.00 ± 0.3

Specification

Eastever P/N	(A)Max	(nH)	Q(min)	Test Freq (MHz)	DCR (mΩ)Max	SRF (GHz)	Coilcraft P/N	Würth P/N
SMTAM1812- 22NJ	3.0	22	100	150	4.2	3.20	1812SMS-22N	744912122
SMTAM1812- 27NJ	3.5	27	100	150	4.0	2.70	1812SMS-27N	744912127
SMTAM1812 - 33NJ	3.0	33	100	150	4.8	2.50	1812SMS-33N	744912133
SMTAM1812 - 39NJ	3.0	39	100	150	4.4	2.10	1812SMS-39N	744912139
SMTAM1812 - 47NJ	3.0	47	100	150	5.6	2.10	1812SMS-47N	744912147
SMTAM1812 - 56NJ	3.0	56	100	150	6.2	1.50	1812SMS-56N	744912156
SMTAM1812 - 68NJ	2.5	68	100	150	8.2	1.50	1812SMS-68N	744912168
SMTAM1812 - 82NJ	2.5	82	100	150	9.4	1.30	1812SMS-82N	744912182
SMTAM1812 - 100NJ	1.7	100	100	150	12.3	1.20	1812SMS-R10	744912210
SMTAM1812- 120NJ	1.5	120	100	150	17.3	1.10	1812SMS-R12	744912212
SMTAM1812 - 150NJ	1.2	150	100	150	33.0	0.75	1812SMS-R15	

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