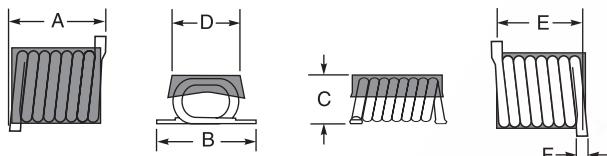


## Air Core Coil Features

- Only 2 mm tall
- High Q over a wide range of frequencies
- Low DCR and excellent current handling capability
- Operating temperature range: -40°C to +125°C
- Storage temperature range: -40°C to +140°C

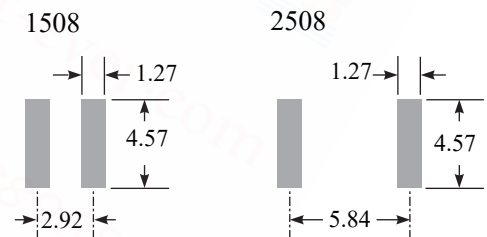


## Air Core Coil Inductor Dimensions & Configurations (Unit mm)



P/N	A max	B max	C max	D	E	F max
1508	3.94	4.19	2.01	3.43	2.92±0.38	0.74
2508	6.86	4.19	2.01	3.43	5.84±0.38	0.74

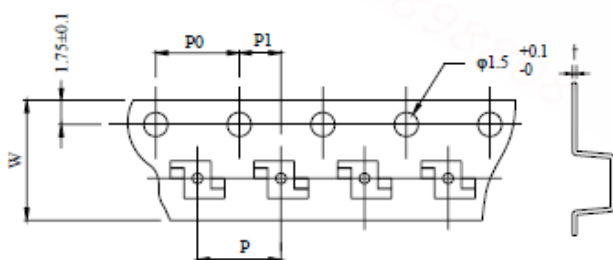
### Recommended Land Patterns



## Specification

Part Number	(A)Max	Inductance (nH)	Q(min)	Test Freq (MHz)	DCR (mΩ)Max	SRF(GHz) (min)	Coilcraft P/N
SMTAM1508-5N5J	4.0	5.5	115	250	2.6	5.0	1508-5N5
SMTAM1508-9N0J	4.0	9.0	120	250	3.4	4.0	1508-9N0
SMTAM1508-13N0J	4.0	13.0	100	250	3.9	3.0	1508-13N
SMTAM2508-16N0J	4.0	16.0	110	250	5.2	3.0	2508-16N
SMTAM2508-18N0J	4.0	18.0	110	250	6.0	2.9	2508-18N
SMTAM2508-23N0J	4.0	23.0	110	250	6.8	2.6	2508-23N
SMTAM2508-27N0J	4.0	27.0	110	250	7.9	2.3	2508-27N

## Tape & Reel Information



Parameter	Units	Value
Qty per reel	PCS	4000
Reel Size	mm	330
Tape Width	mm	16.00
P	mm	8.00
Po	mm	4.00
P1	mm	2.00