PICONICS

JA SERIES

Piconics JA series fixed inductors are a low cost rod core device, aimed at the commercial marketplace where high volume production, high reliability and low cost are required. The coils are constructed from a single piece of self-bonding wire with a temperature range of -55° C to + 125° C. They are supplied with a clear epoxy bonding. The leads are supplied not stripped or tinned, but are solder strippable. Their principal application is low cost commercial RF and IF amplifiers, thick and thin film add on components.

Piconics part number	L uH +/- 10%	Q Min	Test Freq MHz	SRF Min MHz	DCR Max Ohms	Idc Max ma
JA070K8I	.007	60	50	3000	.01	300
JA090K8I	.009	60	50	3000	.02	300
JA120K8I	.012	60	50	2800	.02	300
JA250K8I	.025	60	50	2000	.02	300
JA450K8I	.045	60	50	1200	.03	300
JA650K8I	.065	50	50	1000	.08	200
JA101K8I	.10	45	25	700	.10	100
JA121K8I	.12	45	25	650	.12	100
JA151K8I	.15	45	25	600	.30	100
JA221K8I	.22	40	25	480	.40	100
JA331K8I	.33	40	25	370	.60	100
JA471K8I	.47	40	25	320	1.0	70
JA681K8I	.68	40	25	240	2.1	70
JA102K6I	1.0	35	7.9	150	1.4	50
JA152K6I	1.5	30	7.9	90	3.3	50
JA222K6I	2.2	30	7.9	75	3.6	50
JA332K6I	3.3	30	7.9	60	4.3	50
JA472K6I	4.7	30	7.9	50	4.7	50
JA682K6I	6.8	30	7.9	40	5.3	50
JA103K3F	10	25	2.5	24	6.0	50
JA153K3F	15	25	2.5	15	8.1	50
JA183K3F	18	35	2.5	12	4.0	8I
JA223K3F	22	35	2.5	10	4.0	77
JA273K3F	27	35	2.5	9	6.0	73
JA333K3F	33	35	2.5	9	6.0	69
JA473K3F	47	35	2.5	6	6.3	63
JA563K3F	56	35	2.5	6	6.3	60
JA683K3F	68	30	2.5	6	7.0	57
JA823K3F	82	30	2.5	5.5	7.5	56
JA104K3F	100	33	.79	4.0	12	50
JA124K3F	120	33	.79	4.0	14	40
JA154K3F	150	35	.79	3.9	16	36
JA184K3F	180	35	.79	3.5	18	33
JA224K3F	220	35	.79	3.2	21	28
JA274K3F	270	35	.79	3.1	23	25
JA334K3F	330	35	.79	2.8	37	20
JA394K3F	390	35	.79	2.5	39	17
JA474K1F	470	35	.79	2.3	45	15
JA564K1F	560	35	.79	2.2	47	13
JA684K1F	680	35	.79	2.1	62	12
JA824K1F	820	35	.79	2.1	80	11
JA105K1F	1000	33	.25	1.1	96	10

❑ FEATURES:

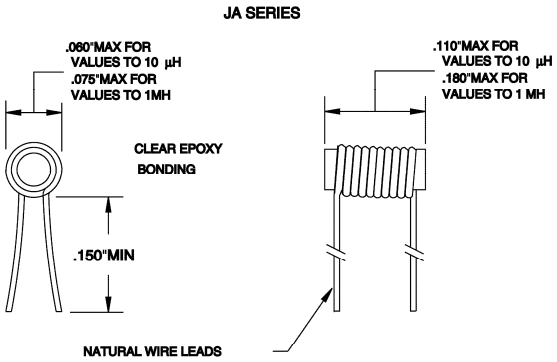
- Automated Production
- High Quality
- Small Size
- Low Cost

❑ ABSOLUTE MAXIMUM RATINGS:

- Storage temperature range: -55° C to + 125° C
- Operating temperature range: -55° C to + 125° C
- Temperature rise (at 90°C): 35° C
- Maximum operating temperature: 125° C

❑ PHYSICAL CHARACTERISTICS:

- Self-Leaded
- Solder Strippable
- Recommend pretinning of leads prior to circuit insertion



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