



JA AND JC SERIES



Piconics JA/JC series fixed inductors are a low cost rod core device, aimed at the commercial marketplace where high volume production, high reliability and low cost is 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. The JC series can be converted to a transformer by additional taps and leads as required.

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

ELECTRICAL CHARACTERISTICS						
Piconics Part Nbr	L uH +/-10%	Q Min	Test Freq MHz	SRF Min MHz	DCR Max Ohms	Idc Max ma
JA/JC070K-8I	.007	90	50	3000	.01	300
JA/JC090K-8I	.009	85	50	3000	.02	300
JA/JC120K-8I	.012	80	50	2800	.02	300
JA/JC250K-8I	.025	75	50	2000	.02	300
JA/JC450K-8I	.045	70	50	1200	.03	300
JA/JC650K-8I	.065	60	50	1000	.08	200
JA/JC101K-8I	.10	45	25	700	.10	100
JA/JC121K-8I	.12	45	25	650	.12	100
JA/JC151K-8I	.15	45	25	600	.30	100
JA/JC221K-8I	.22	40	25	480	.40	100
JA/JC331K-8I	.33	40	25	370	.60	100
JA/JC471K-8I	.47	40	25	320	1.0	70
JA/JC681K-8I	.68	40	25	240	2.1	70
JA/JC102K-6I	1.0	35	7.9	150	1.4	50
JA/JC152K-6I	1.5	30	7.9	90	3.3	50
JA/JC222K-6I	2.2	30	7.9	75	3.6	50
JA/JC332K-6I	3.3	30	7.9	60	4.3	50
JA/JC472K-6I	4.7	30	7.9	50	4.7	50
JA/JC682K-6I	6.8	30	7.9	40	5.3	50
JA/JC103K-3F	10	25	2.5	24	6.0	50
JA/JC153K-3F	15	25	2.5	15	8.1	50
JA/JC183K-3F	18	35	2.5	12	4.0	81
JA/JC223K-3F	22	35	2.5	10	4.0	77
JA/JC273K-3F	27	38	2.5	9	6.0	73
JA/JC333K-3F	33	35	2.5	9	6.0	69
JA/JC473K-3F	47	35	2.5	6	6.3	63
JA/JC563K-3F	56	35	2.5	6	6.3	60
JA/JC683K-3F	68	30	2.5	6	7.0	57
JA/JC823K-3F	82	35	2.5	5.5	7.5	56
JA/JC104K-3F	100	33	.79	4.0	12	50
JA/JC124K-3F	120	33	.79	4.0	14	40
JA/JC154K-3F	150	35	.79	3.9	16	36
JA/JC184K-3F	180	35	.79	3.5	18	33
JA/JC224K-3F	220	35	.79	3.2	21	28
JA/JC274K-3F	270	35	.79	3.1	23	25
JA/JC334K-3F	330	35	.79	2.8	37	20
JA/JC394K-3F	390	35	.79	2.5	39	17
JA/JC474K-1F	470	35	.79	2.3	45	15
JA/JC564K-1F	560	35	.79	2.2	47	13
JA/JC684K-1F	680	35	.79	2.1	62	12
JA/JC824K-1F	820	35	.79	2.1	80	11
JA/JC105K-1F	1000	33	.25	1.1	96	10

