

ECN/PCN No.: M1209

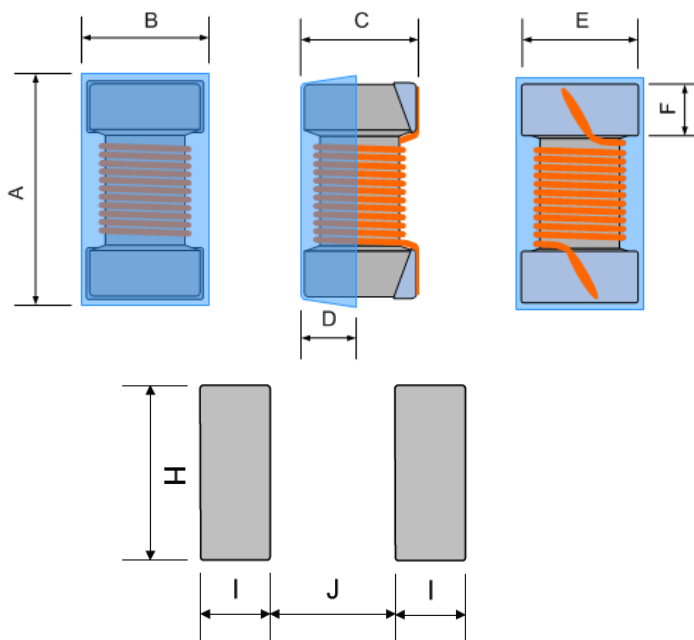
For Manufacturer			
Product Description: FERRITE WIRE WOUND INDUCTORS	Abracon Part Number / Part Series: AISC-0402F series	<input type="checkbox"/> Documentation only <input checked="" type="checkbox"/> ECN <input type="checkbox"/> EOL	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number(s)
Affected Revision: IR	New Revision: A	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

Prior to Change:

1.0 Key Electrical Specifications

Part Number AISC-0402F- Inductance Code	Inductance	Tolerance	L Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant Frequency
Units	nH	-	MHz	Ω	mA	MHz
Symbol	L	-	Freq.	DCR	Ir	S.R.F
AISC-0402F-18N	18	J, K, M	100	0.046	1400	3000
AISC-0402F-33N	33	J, K, M	100	0.065	1300	1800
AISC-0402F-48N	48	J, K, M	100	0.078	1100	1400
AISC-0402F-70N	70	J, K, M	100	0.120	820	1300
AISC-0402F-96N	96	J, K, M	100	0.160	730	1100
AISC-0402F-R13	130	J, K, M	100	0.230	640	1000
AISC-0402F-R16	160	J, K, M	100	0.330	480	900
AISC-0402F-R22	200	J, K, M	100	0.470	390	800

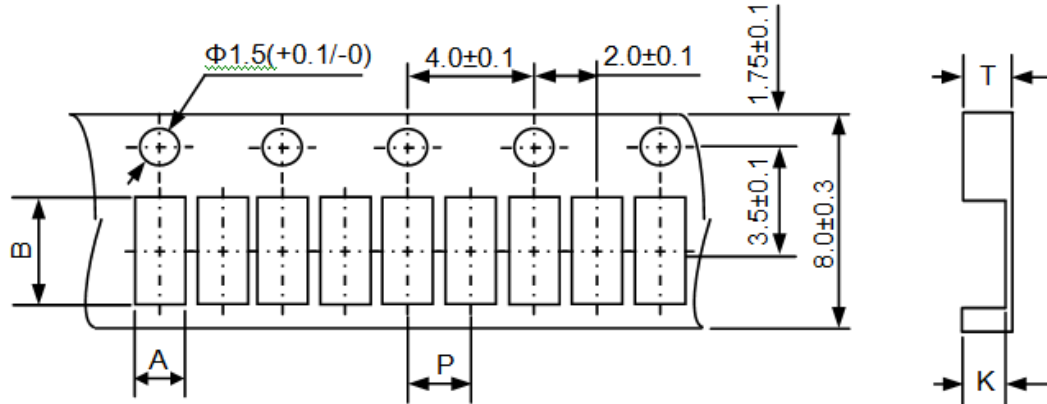
7.0 Mechanical Dimensions



A	B	C	D Typ.	E	F	H REF.	I REF.	J REF.
1.1±0.1	0.6±0.1	0.6±0.1	0.25	0.5±0.1	0.2±0.1	0.65	0.35	0.50

9.0 Packing

T= tape and reel (10,000pcs/reel)



A	B	P	K	T
0.75±0.05	1.32±0.05	2.0±0.1	0.75±0.05	0.8±0.1

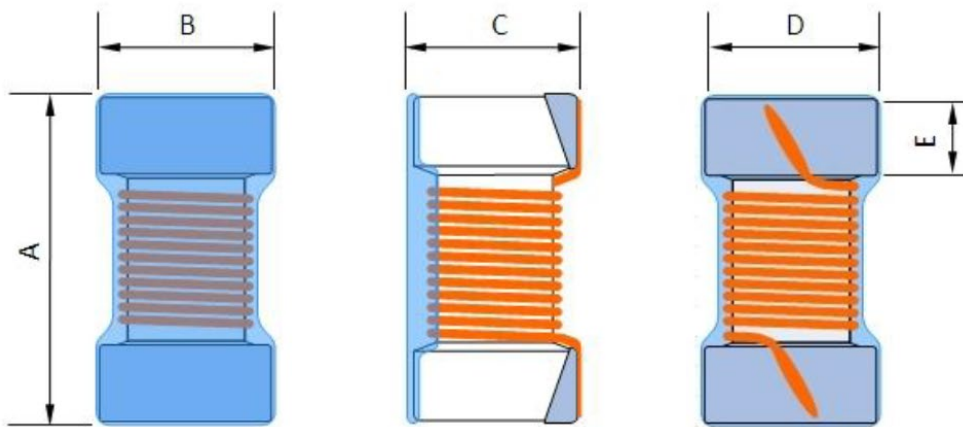
After Change:
1.0 Key Electrical Specifications

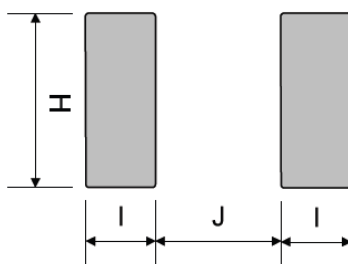
Part Number AISC-0402F- Inductance Code	Inductance	Tolerance	L Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant Frequency
Units	nH	-	MHz	Ω	mA	MHz
Symbol	L	-	Freq.	DCR	Ir	S.R.F
AISC-0402F-18N	18	J, K, M	100	0.046	1400	3000
AISC-0402F-20N	20	J, K, M	7.9	0.050	1600	2600
AISC-0402F-33N	33	J, K, M	7.9	0.060	1400	2300
AISC-0402F-48N	48	J, K, M	100	0.078	1100	1400
AISC-0402F-56N	56	J, K, M	7.9	0.095	1000	1900
AISC-0402F-70N	70	J, K, M	100	0.120	820	1300
AISC-0402F-72N	72	J, K, M	7.9	0.100	1000	1650
AISC-0402F-85N	85	J, K, M	7.9	0.130	970	1600
AISC-0402F-96N	96	J	100	0.160	730	1100
AISC-0402FR10	100	J, K, M	7.9	0.160	900	1400
AISC-0402FR14	140	J, K, M	7.9	0.260	630	1220
AISC-0402FR18	180	J, K, M	7.9	0.280	560	1150
AISC-0402F-R13	130	J, K, M	100	0.230	640	1000
AISC-0402F-R16	160	J, K, M	100	0.330	480	900
AISC-0402F-R20	200	J, K, M	7.9	0.440	400	1000
AISC-0402FR22	220	J, K, M	7.9	0.530	380	1150
AISC-0402FR27	270	J, K, M	7.9	0.550	360	860
AISC-0402FR33	330	J, K, M	7.9	0.560	350	820
AISC-0402FR39	390	J, K, M	7.9	0.750	300	760
AISC-0402FR47	470	J, K, M	7.9	0.730	310	650
AISC-0402FR56	560	J, K, M	7.9	0.920	200	600
AISC-0402F2R2	2200	K, M	1.0	1.800	170	100

Key
Spec Changed

Addition to series

Removal from series

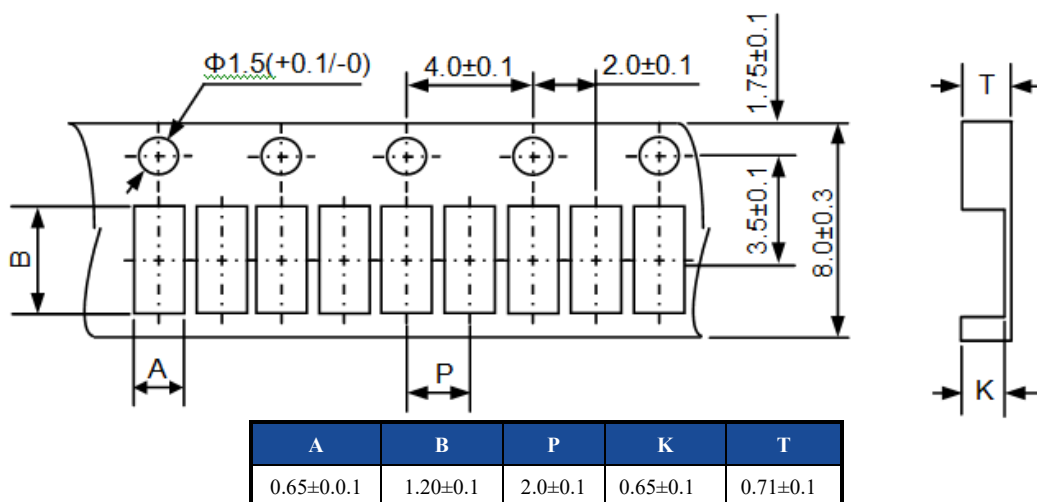
6.0 Mechanical Dimensions




A	B	C	D	E	H REF.	I REF.	J REF.
1.1±0.1	0.6±0.1	0.55±0.1	0.50±0.1	0.20±0.1	0.65	0.35	0.50

9.0 Packaging

T= tape and reel (10,000pcs/reel)



A	B	P	K	T
0.65±0.01	1.20±0.1	2.0±0.1	0.65±0.1	0.71±0.1

Cause/Reason for Change:

Production moving to new product line. Updating the series with popular values and removing unpopular values.

Correcting datasheet part number for the AISC-0402F-R22 which is a 200nH inductor. The corrected part number is changed to AISC-0402F-R20.

There is a partial EOL for PN's related to this ECN. (Refer to Partial ECN-EOL #M1209 AISC-0402F Series: <https://abracon.com/downloads/ECN-PCN/Partial-ECN-EOL-M1209-AISC-0402F-Series.pdf>.)

