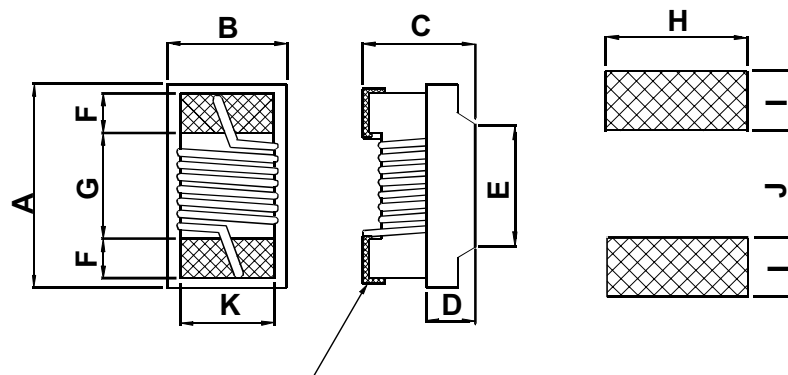


Specification For Approval

Wire-Wound Chip Inductor 0805 (201209) Series



	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref.	Max.	Ref.	Max.	Ref.								
Inch	0.09	0.083	0.068	0.065	0.060	0.055	0.020	0.050	0.018	0.040	0.070	0.040	0.030	0.050
mm	2.29	2.10	1.73	1.65	1.52	1.40	0.51	1.27	0.44	1.02	1.78	1.02	0.76	1.27

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PART NUMBER	INDUCTANCE uH / MHz	PERCENT TOLERANCE	Q MIN / MHz	SRF MIN MHz	RDC MAX Ohms	IDC MAX mA	
BCCWH-201209-2N8	0.0028/250	10,5	80/1500	7900	0.06	800	
BCCWH-201209-3N0	0.003/250	10,5	65/1500	7900	0.06	800	
BCCWH-201209-3N3	0.0033/250	10,5	50/1500	6000	0.08	600	
BCCWH-201209-5N6	0.0056/250	10,5	65/1000	5500	0.08	600	
BCCWH-201209-6N8	0.0068/250	10,5	50/1000	5500	0.11	600	
BCCWH-201209-7N5	0.0075/250	10,5	50/1000	4500	0.14	600	
BCCWH-201209-8N2	0.0082/250	10,5	50/1000	4700	0.12	600	
BCCWH-201209-10N	0.01/250	10,5,2	60/500	4200	0.1	600	
BCCWH-201209-12N	0.012/250	10,5,2	50/500	4000	0.15	600	
BCCWH-201209-15N	0.015/250	10,5,2	50/500	3400	0.17	600	
BCCWH-201209-18N	0.018/250	10,5,2	50/500	3300	0.2	600	
BCCWH-201209-22N	0.022/250	10,5,2	55/500	2600	0.22	500	
BCCWH-201209-24N	0.024/250	10,5,2	50/500	2000	0.22	500	
BCCWH-201209-27N	0.027/250	10,5,2	55/500	2500	0.25	500	
BCCWH-201209-33N	0.033/250	10,5,2	60/500	2050	0.27	500	
BCCWH-201209-36N	0.036/250	10,5,2	55/500	1700	0.27	500	
BCCWH-201209-39N	0.039/250	10,5,2	60/500	2000	0.29	500	
BCCWH-201209-43N	0.043/200	10,5,2	60/500	1650	0.34	500	
BCCWH-201209-47N	0.047/200	10,5,2	60/500	1650	0.31	500	
BCCWH-201209-56N	0.056/200	10,5,2	60/500	1550	0.34	500	
BCCWH-201209-68N	0.068/200	10,5,2	60/500	1450	0.38	500	
BCCWH-201209-82N	0.082/150	10,5,2	65/500	1300	0.42	400	
BCCWH-201209-91N	0.091/150	10,5,2	65/500	1200	0.48	400	
BCCWH-201209-R10	0.1/150	10,5,2	65/500	1200	0.46	400	
BCCWH-201209-R11	0.11/150	10,5,2	50/250	1000	0.48	400	
BCCWH-201209-R12	0.12/150	10,5,2	50/250	1100	0.51	400	
BCCWH-201209-R15	0.15/100	10,5,2	50/250	920	0.56	400	
BCCWH-201209-R18	0.18/100	10,5,2	50/250	870	0.64	400	
BCCWH-201209-R22	0.22/100	10,5,2	50/250	850	0.7	400	
BCCWH-201209-R24	0.24/100	10,5,2	44/250	690	1	350	
BCCWH-201209-R27	0.27/100	10,5,2	48/250	650	1	350	
BCCWH-201209-R33	0.33/100	10,5,2	48/250	600	1.4	310	
BCCWH-201209-R39	0.39/100	10,5,2	48/250	560	1.5	290	
BCCWH-201209-R47	0.47/50	10,5,2	33/100	375	1.7	250	
BCCWH-201209-R56	0.56/25	10,5,2	23/50	340	1.9	210	
BCCWH-201209-R62	0.62/25	10,5,2	23/50	220	2.2	210	

NOTE: Tolerance value : S=2%, J =5% , K=10%

Specification For Approval

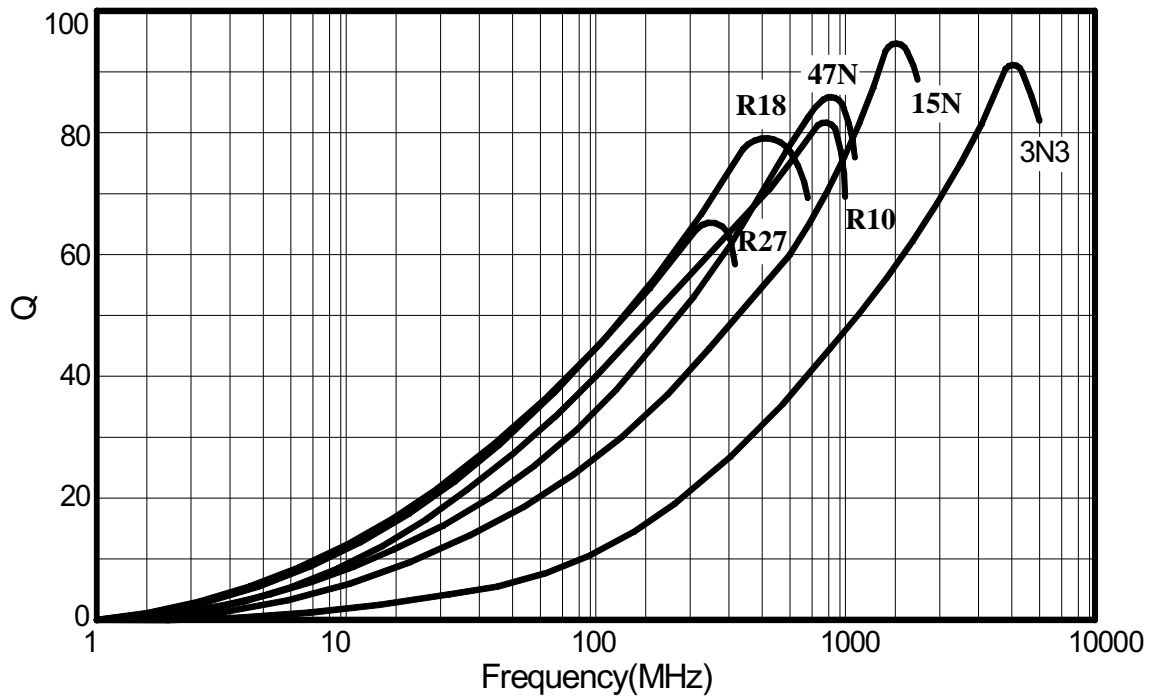
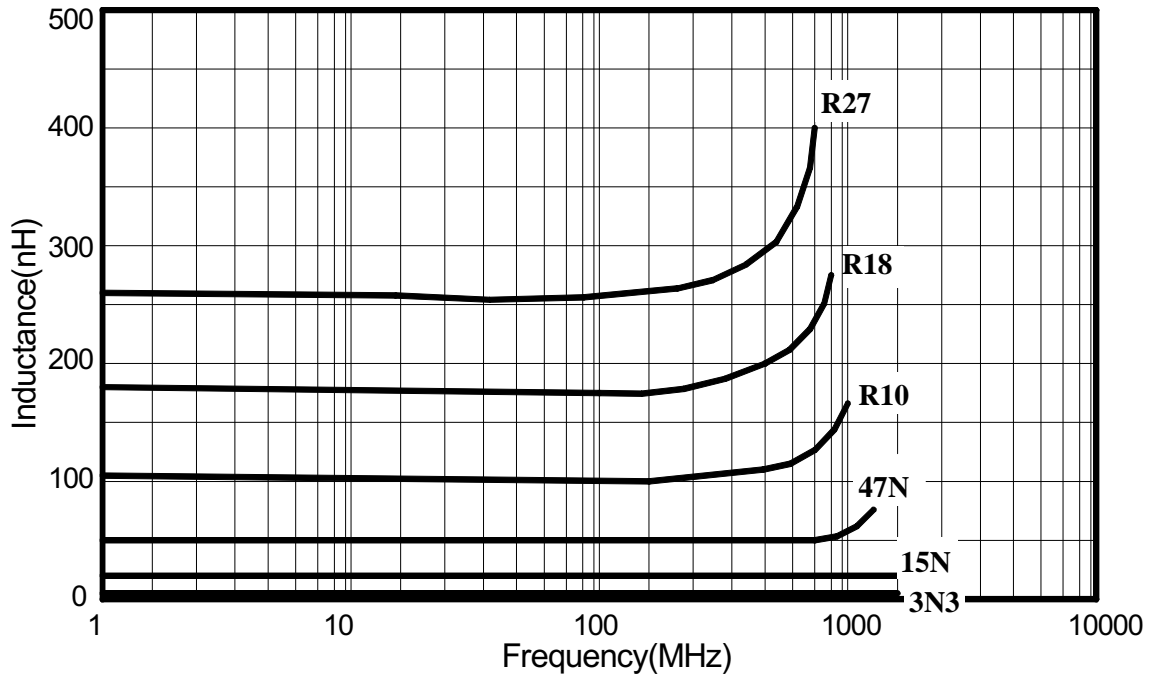
Wire-Wound Chip Inductor 0805 (201209) Series

PART NUMBER	INDUCTANCE uH / MHz	PERCENT TOLERANCE	Q MIN / MHz	SRF MIN MHz	RDC MAX Ohms	IDC MAX mA	
BCCWH-201209-R82	0.82/25	10,5,2	23/50	200	2.35	180	
BCCWH-201209-1R0	1.0/25	10,5,2	20/50	100	2.5	170	
BCCWH-201209-1R2	1.2/7.9	10,5,2	18/25	100	2.5	170	
BCCWH-201209-1R5	1.5/7.9	10,5,2	16/25	100	2.5	170	
BCCWH-201209-1R8	1.8/7.9	10,5,2	16/7.9	80	2.5	170	
BCCWH-201209-2R2	2.2/7.9	10,5,2	16/7.9	60	2.7	160	
BCCWH-201209-2R7	2.7/7.9	10,5,2	16/7.9	50	2.95	150	
BCCWH-201209-3R3	3.3/7.9	10,5,2	15/7.9	40	4.4	90	
BCCWH-201209-4R7	4.7/7.9	10,5,2	15/7.9	40	6.4	90	

NOTE: Tolerance value : S=2%, J =5% , K=10%

Specification For Approval

Wire-Wound Chip Inductor 0805 (201209) Series



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Wire-Wound Chip Inductor 0805 (201209) Series

TEST ITEMS	SPECIFICATIONS	TEST CONDITIONS / TEST METHODS
*ELECTRICAL PERFORMANCE TEST		
INDUCTANCE	REFER TO STANDARD ELECTRICAL CHARACTERISTIC LIST	HP 4291B
Q		HP 4291B
SRF		HP 8753D
DC RESISTANCE R _{DC}		Micro-Ohmmeter (GOM-801G)
RATED CURRENT IDC		APPLIED THE CURRENT TO COILS, THE INDUCTANCE CHANGE SHOULD BE LESS THAN 10% TO INITIAL VALUE
OVER LOAD TEST	AFTER TEST, INDUCTORS SHALL BE NO EVIDENCE OF ELECTRICAL AND MECHANICAL DAMAGE	APPLIED 2 TIMES OF RATED ALLOWED DC CURRENT TO INDUCTOR FOR A PERIOD OF 5 MINUTE
WITHSTANDING VOITAGE TEST	1.AFTER TEST, INDUCTORS SHALL BE NO EVIDENCE OF ELECTRICAL AND MECHANICAL DAMAGE	AC VOLTAGE OF 500 VAC APPLIED BETWEEN INDLUICTORS TERMINAL AND CASE FOR 1 MINUTE
INSULATION RESISTANCE TEST	1000 MOHM MIN.	100 VDC APPLIED BETWEEN INDUCTOR TERMINAL AND CASE
*MECHANICAL PERFORMANCE TEST		
VIBARATION TEST (LOW FREQUENCY)	1.INDUCTORS SHOULD HAVE NO EVIDENCE OF ELECTRICAL AND MECHANICAL DAMAGE 2.INDUCTANCE SHOULD NOT CHANGE MORE THAN±5% 3.Q SHOULD NOT CHANGE MORE THAN±10%	1. AMPLITUDE: 1.5m/m 2. FREQUENCY: 10-55-10 Hz(1min) 3. DIRECTION: X, Y, Z 4. DURATION: 2 HRS/X, Y, Z
RESISTANCE TO SOLDERING TEST		INDUCTORS SHOULD BE REF.LOW TO A .PC BOARD. USING 63Sn/37Pb SOLDER PASTE.SOLDER PROCESS SHOULD BE 230 FOR 20±2 SECONDS AND 260 FOR 5±2 SECONDS.
COMPONENT ADHESIONN (PUSH TEST)	1 lbs. FOR 0402 2 lbs. FOR 0603 4 lbs. FOR THE REST	THE DEVICE SHOULD BE REF.LOW SOLDERED (232 ±5 FOR 10 SECONDS) TO A TINNED COPPER SUBSTRATE. A DYNOMETER FORCE GAUGE SHOULD BE APPLIED TO THE SIDE OF THE COMPONENT. THE DEVICE MUST WITHSTAND A MINIMUM FORCE OF 2 OR 4 POUNDS WITHOUT A FAILURE OF THE TERMINATION ATTACHED TO COMPONENT.
DROP TEST	AFTER TEST ,THE CHIP INDUCTOR DON'T FELL OR BROKE ON THE P.C BOARD.	DROP 1 TIME FOR EACH FACE AND 1 TIME FOR EACH CORNER.TOTAL DROP 10 TIMES. DROP HEIGHT :100 CM DROP WEIGHT :125 g
SOLDERABILITY TEST	THE TERMINAL SHOULD AT LEAST BE 90% COVERED WITH SOLDER	AFTER FLUXING(ALPHA 100 OR EQUIV), INDUCTOR SHALL BE DIPPED IN A MELTED SOLDER BATH AT 232 ±5 FOR 5 SECONDS.

Specification For Approval

Wire-Wound Chip Inductor 0805 (201209) Series

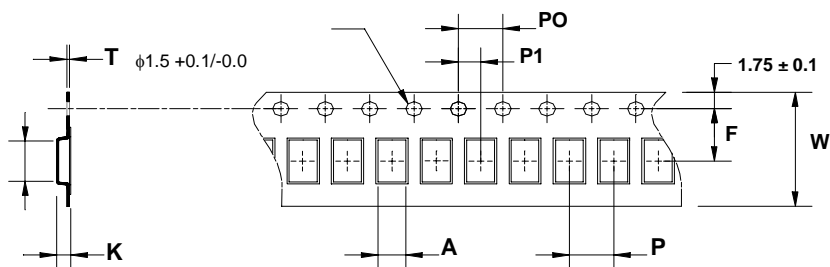
SOLDERABILITY TEST	THE TERMINAL SHOULD HAVE AT LEAST 90% COVERED WITH SOLDER	AFTER FLUXING (ALPHA 100 OR EQUIV), INDUCTOR SHALL BE DIPPED IN A MELTED SOLDER BATH AT 232 ± 5 FOR 5 SECONDS.
RESISTANCE TO SOLVENT TEST	THERE SHALL BE NO CASE OF DEFORMATION CHANGE IN APPEARANCE OR OBLITERATION OF MARKING.	MIL-STD202F, METHOD 215D
*CLIMATIC TEST		
TEMPERATURE CHARACTERISTIC	1. INDUCTOR SHALL HAVE NO EVIDENCE OF ELECTRICAL AND MECHANICAL DAMAGE 2. INDUCTANCE SHALL NOT CHANGE MORE THAN $\pm 10\%$ 3. SHALL NOT CHANGE MORE THAN $\pm 20\%$	-40 ~ +125
HUMIDITY TEST		1. TEMP : 40 ± 2 2. R.H. : 90 – 95% 3. TIME : 96 ± 2 HOURS
LOW TEMPERATURE STORAGE TEST		1. TEMP : -40 ± 2 2. TIME : 48 ± 2 HOURS 3. INDUCTORS ARE TO BE TESTED AFTER 1 HOUR AT ROOM TEMPERATURE.
THERMAL SHOCK TEST		<p>TOTAL : 5 CYCLES</p>
HIGH TEMPERATURE STORAGE TEST		1. TEMP : 125 ± 2 2. TIME : 48 ± 2 HOURS 3. INDUCTORS ARE TO BE TESTED AFTER 1 HOUR AT ROOM TEMPERATURE.
HIGH TEMPERATURE LOAD LIFE TEST		1. TEMP : 85 ± 2 2. TIME : 1000 ± 12 HOURS 3. LOAD : ALLOWED DC CURRENT
HUMIDITY LOAD LIFE		1. TEMP : 40 ± 2 2. R.H. : 90 – 95% 3. TIME : 1000 ± 12 HOURS 4. LOAD : ALLOWED DC CURRENT
NOTE : UNLESS OTHERWISE SPECIFIED, ALLOW THE SPECIMEN TO STAND AT ROOM TEMPERATURE FOR 1 HOUR OR MORE BUT NOT MORE THAN 2 HOURS, MEASURE THE ELECTRICAL AND MECHANICAL PERFORMANCES.		

Specification For Approval

Wire-Wound Chip Inductor 0805 (201209) Series

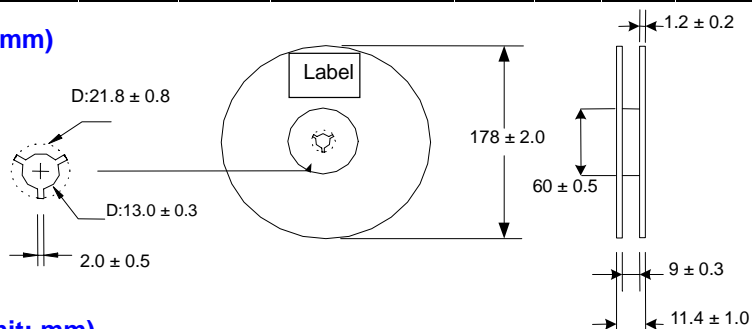
Package Specification.

Tape Dimensions (Unit:mm)

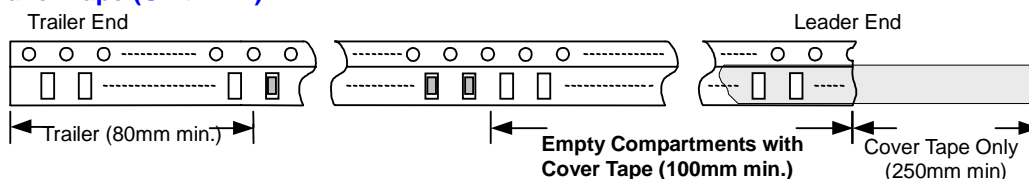


	Tape Dimensions (mm)									Parts (pcs)
	A	B	K	T	F	P	P0	P1	W	7"
201209	1.85	2.30	1.45	0.23	3.5	4	4	2	8	2000

Reel Dimensions (Unit: mm)



Leader / Trailer Tape (Unit: mm)



Peel-off Force

Peel-off force should be in the range of 0.1~0.7N at a peel-off speed of 300±10 mm/min

