

BCL 565050

2220 Industry Size
Surface Mount Inductors



- Inductance Range 1 μ H to 10,000 μ H
- Standard Tolerance $\pm 10\%$ ($>1,000\mu\text{H} = \pm 5\%$)
- Operating Temperature Range -40°C to $+105^{\circ}\text{C}$
- Ambient Temperature, Maximum 80°C
- Resistance to Solder Heat 260°C for 10 sec.
- Terminal Pull Strength, Minimum 0.5 kg

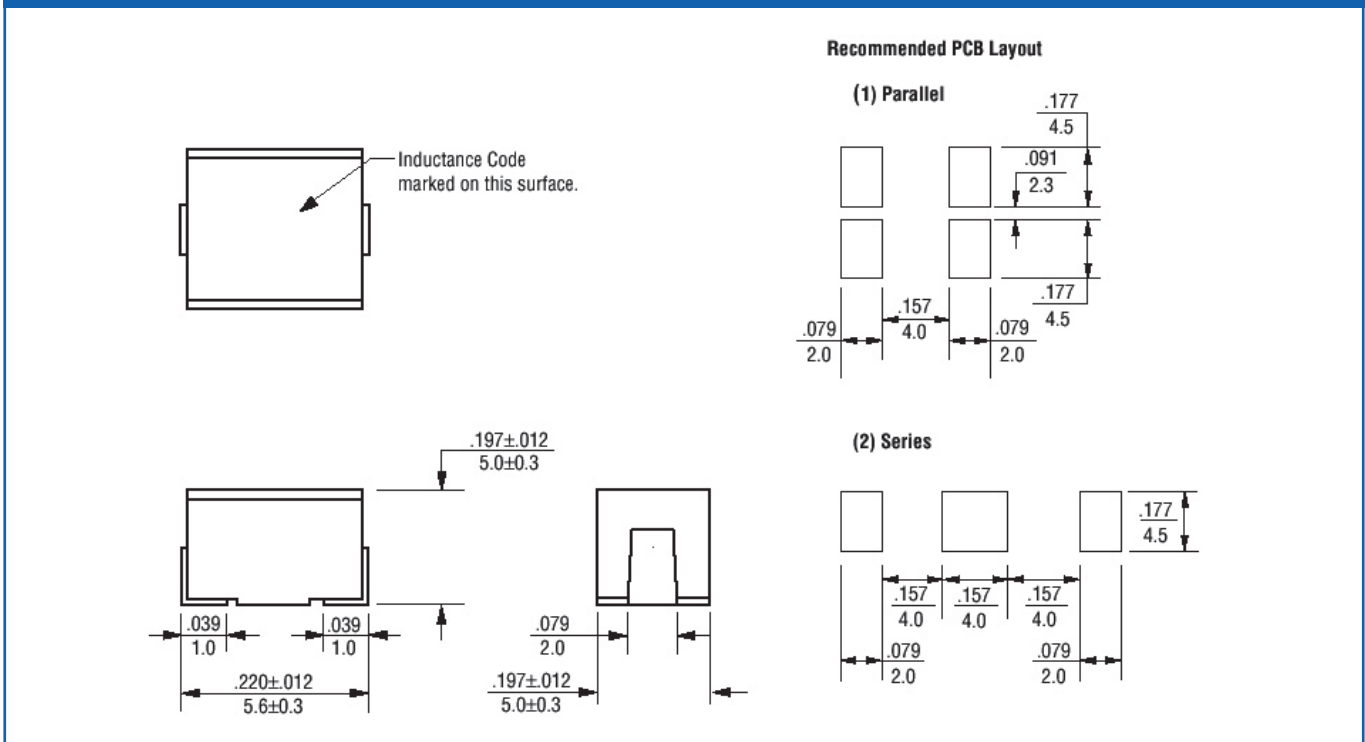
Specifications

Part Number	Inductance μH	Q Min.	Test Frequency MHz	SRF MHz Min.	DC Resistance Ω Max	Rated Current IDC mA
BCL565050-1R0K	1.00 $\pm 10\%$	10	7.96	95	0.030	1800
BCL565050-1R2K	1.20 $\pm 10\%$	10	7.96	70	0.035	1700
BCL565050-1R5K	1.50 $\pm 10\%$	10	7.96	55	0.04	1600
BCL565050-1R8K	1.80 $\pm 10\%$	10	7.96	47	0.05	1400
BCL565050-2R2K	2.20 $\pm 10\%$	10	7.96	42	0.06	1300
BCL565050-2R7K	2.70 $\pm 10\%$	10	7.96	37	0.07	1200
BCL565050-3R3K	3.30 $\pm 10\%$	10	7.96	34	0.08	1120
BCL565050-3R9K	3.90 $\pm 10\%$	10	7.96	32	0.09	1050
BCL565050-4R7K	4.70 $\pm 10\%$	10	7.96	29	0.11	950
BCL565050-5R6K	5.60 $\pm 10\%$	10	7.96	26	0.13	880
BCL565050-6R8K	6.80 $\pm 10\%$	10	7.96	24	0.15	810
BCL565050-8R2K	8.20 $\pm 10\%$	10	7.96	22	0.18	750
BCL565050-100K	10.00 $\pm 10\%$	10	2.52	19	0.21	690
BCL565050-120K	12.00 $\pm 10\%$	10	2.52	17	0.25	630
BCL565050-150K	15.00 $\pm 10\%$	10	2.52	16	0.30	580
BCL565050-180K	18.00 $\pm 10\%$	10	2.52	14	0.36	530
BCL565050-220K	22.00 $\pm 10\%$	10	2.52	13	0.43	480
BCL565050-270K	27.00 $\pm 10\%$	10	2.52	11.5	0.52	440
BCL565050-330K	33.00 $\pm 10\%$	10	2.52	10.5	0.62	400
BCL565050-390K	39.00 $\pm 10\%$	10	2.52	9.5	0.72	370
BCL565050-470K	47.00 $\pm 10\%$	10	2.52	8.5	0.85	340
BCL565050-560K	56.00 $\pm 10\%$	10	2.52	7.8	1.0	310
BCL565050-680K	68.00 $\pm 10\%$	10	2.52	7.0	1.2	290
BCL565050-820K	82.00 $\pm 10\%$	10	2.52	6.4	1.4	270
BCL565050-101K	100.00 $\pm 10\%$	20	0.796	6.0	1.6	250
BCL565050-121K	120.00 $\pm 10\%$	20	0.796	5.4	1.9	230
BCL565050-151K	150.00 $\pm 10\%$	20	0.796	4.8	2.2	210
BCL565050-181K	180.00 $\pm 10\%$	20	0.796	4.4	2.8	190
BCL565050-221K	220.00 $\pm 10\%$	20	0.796	3.9	3.4	170
BCL565050-271K	270.00 $\pm 10\%$	20	0.796	3.6	4.2	155
BCL565050-331K	330.00 $\pm 10\%$	20	0.796	3.2	4.9	140
BCL565050-391K	390.00 $\pm 10\%$	20	0.796	2.9	5.8	130
BCL565050-471K	470.00 $\pm 10\%$	20	0.796	2.6	7.0	120
BCL565050-561K	560.00 $\pm 10\%$	20	0.796	2.4	8.5	110
BCL565050-681K	680.00 $\pm 10\%$	20	0.796	2.2	10	100
BCL565050-821K	820.00 $\pm 10\%$	20	0.796	2.0	13	90
BCL565050-102K	1000.00 $\pm 10\%$	20	0.252	1.8	15	85
BCL565050-122J	1200.00 $\pm 5\%$	30	0.252	1.5	17	75
BCL565050-152J	1500.00 $\pm 5\%$	30	0.252	1.4	20	70
BCL565050-182J	1800.00 $\pm 5\%$	30	0.252	1.3	30	60
BCL565050-222J	2200.00 $\pm 5\%$	30	0.252	1.2	35	55

Specifications (Cont'd)

Part Number	Inductance μH	Q Min.	Test Frequency MHz	SRF MHz Min.	DC Resistance Ω Max	Rated Current IDC mA
BCL565050-272J	2700.00 \pm 5%	30	0.252	1.1	55	45
BCL565050-332J	3300.00 \pm 5%	30	0.252	1.0	60	40
BCL565050-392J	3900.00 \pm 5%	30	0.252	1.0	70	38
BCL565050-472J	4700.00 \pm 5%	30	0.252	0.9	78	36
BCL565050-562J	5600.00 \pm 5%	30	0.252	0.8	85	33
BCL565050-682J	6800.00 \pm 5%	30	0.252	0.7	110	30
BCL565050-822J	8200.00 \pm 5%	30	0.252	0.6	125	28
BCL565050-103J	10000.00 \pm 5%	20	0.0796	0.5	150	25

Outline Dimensions (Inch/mm)



Packaging

Standard: Embossed Tape & Reel

Reel: Diameter: = 13" (330.2mm)
Capacity: = 1000 Units

Ordering Information

