

# BCL 453232

1812 Industry Size  
Surface Mount Inductors



- Inductance Range 0.1µH to 1000µH
- Standard Tolerance ±10% (<1.0µH = ±20%)
- Operating Temperature Range -40°C to +105°C
- Ambient Temperature, Maximum 80°C
- Resistance to Solder Heat 260°C for 10 sec.
- Terminal Pull Strength, Minimum 1.0 kg

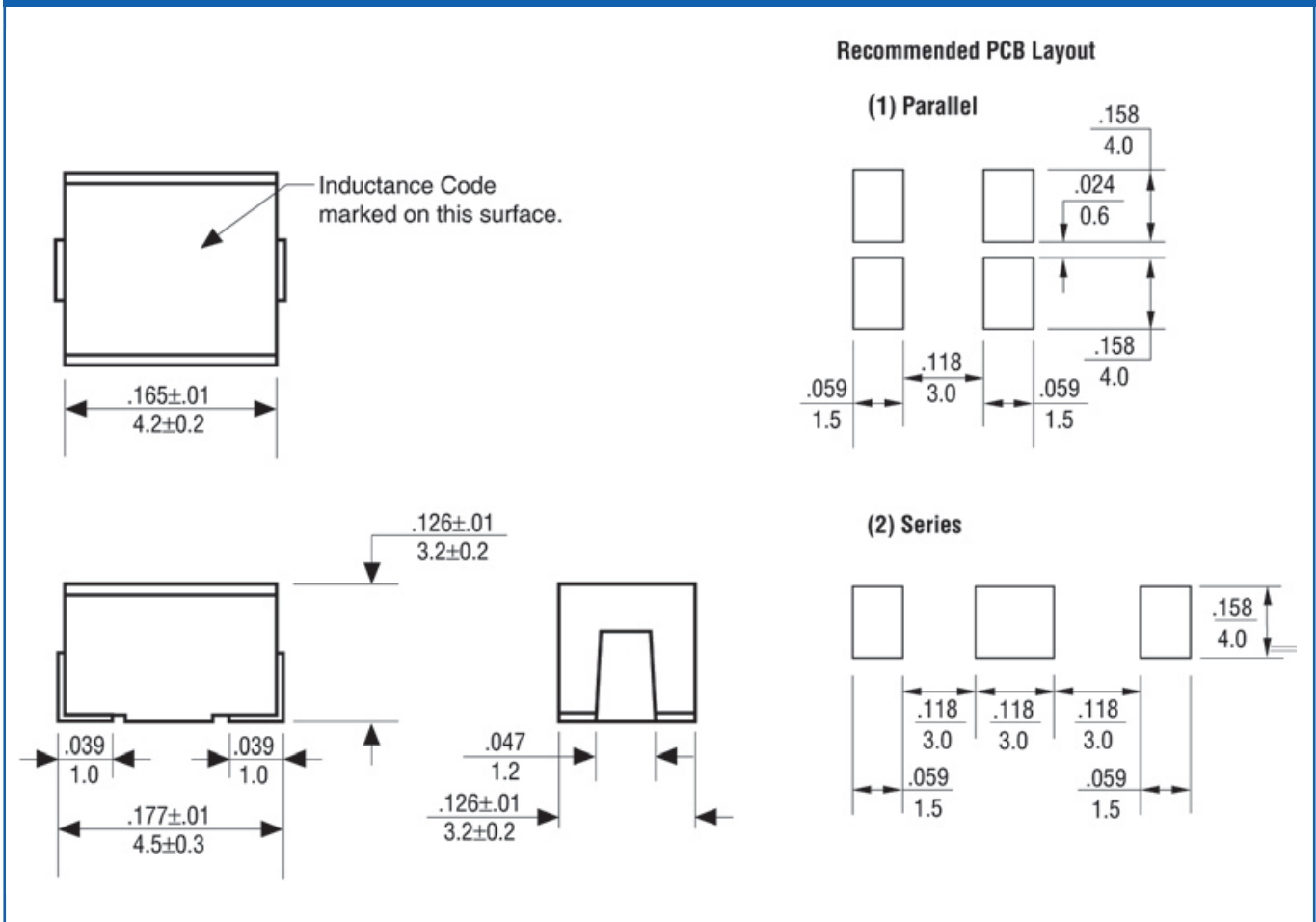
## Specifications

Part Number	Inductance µH	Tolerance	Q Min.	Test Frequency MHz	SRF MHz Min.	DC Resistance Ω Max	Rated Current IDC mA
BCL453232-R10M	0.10	M	35	25.2	300	0.18	800
BCL453232-R12M	0.12	M	35	25.2	280	0.20	770
BCL453232-R15M	0.15	M	35	25.2	250	0.22	730
BCL453232-R18M	0.18	M	35	25.2	220	0.24	700
BCL453232-R22M	0.22	M	40	25.2	200	0.25	665
BCL453232-R27M	0.27	M	40	25.2	180	0.26	635
BCL453232-R33M	0.33	M	40	25.2	165	0.28	605
BCL453232-R39M	0.39	M	40	25.2	150	0.30	575
BCL453232-R47M	0.47	M	40	25.2	145	0.32	545
BCL453232-R56M	0.56	M	40	25.2	140	0.36	520
BCL453232-R68M	0.68	M	40	25.2	135	0.40	500
BCL453232-R82M	0.82	M	40	25.2	130	0.45	475
BCL453232-1R0K	1.0	K	50	7.96	100	0.50	450
BCL453232-1R2K	1.2	K	50	7.96	80	0.55	430
BCL453232-1R5K	1.5	K	50	7.96	70	0.60	410
BCL453232-1R8K	1.8	K	50	7.96	60	0.65	390
BCL453232-2R2K	2.2	K	50	7.96	55	0.70	380
BCL453232-2R7K	2.7	K	50	7.96	50	0.75	370
BCL453232-3R3K	3.3	K	50	7.96	45	0.80	355
BCL453232-3R9K	3.9	K	50	7.96	40	0.90	330
BCL453232-4R7K	4.7	K	50	7.96	35	1.00	315
BCL453232-5R6K	5.6	K	50	7.96	33	1.10	300
BCL453232-6R8K	6.8	K	50	7.96	27	1.20	285
BCL453232-8R2K	8.2	K	50	7.96	25	1.40	270
BCL453232-100K	10.0	K	50	2.52	20	1.60	250
BCL453232-120K	12.0	K	50	2.52	18	2.00	225
BCL453232-150K	15.0	K	50	2.52	17	2.50	200
BCL453232-180K	18.0	K	50	2.52	15	2.80	190
BCL453232-220K	22.0	K	50	2.52	13	3.20	180
BCL453232-270K	27.0	K	50	2.52	12	3.60	170
BCL453232-330K	33.0	K	50	2.52	11	4.00	160
BCL453232-390K	39.0	K	50	2.52	10	4.50	150
BCL453232-470K	47.0	K	50	2.52	10	5.00	140
BCL453232-560K	56.0	K	50	2.52	9.0	5.50	135
BCL453232-680K	68.0	K	50	2.52	9.0	6.00	130
BCL453232-820K	82.0	K	50	2.52	8.0	7.00	120
BCL453232-101K	100	K	40	0.796	8.0	8.00	110
BCL453232-121K	120	K	40	0.796	6.0	8.00	110
BCL453232-151K	150	K	40	0.796	5.0	9.00	105
BCL453232-181K	180	K	40	0.796	5.0	9.50	102
BCL453232-221K	220	K	40	0.796	4.0	10.0	100

### Specifications (Cont'd)

Part Number	Inductance $\mu\text{H}$	Tolerance	Q Min.	Test Frequency MHz	SRF MHz Min.	DC Resistance $\Omega$ Max	Rated Current IDC mA
BCL453232-271K	270	K	40	0.796	4.0	12.0	92
BCL453232-331K	330	K	40	0.796	3.5	14.0	85
BCL453232-391K	390	K	40	0.796	3.0	16.0	80
BCL453232-471K	470	K	40	0.796	3.0	26.0	62
BCL453232-561K	560	K	30	0.796	3.0	30.0	50
BCL453232-681K	680	K	30	0.796	3.0	30.0	50
BCL453232-821K	820	K	30	0.796	2.5	35.0	30
BCL453232-102K	1,000	K	30	0.252	2.5	40.0	30

### Outline Dimensions (Inch/mm)



### Packaging

**Standard:** Embossed Tape & Reel

Reel: Diameter: = 7" (177.8mm)  
Capacity: = 500 Units

### Ordering Information

**BCL 453232 330 K LF**

Model Series: BCL 453232

Inductance Code: 330  
First 2 digits are significant. Last digit denotes the number of trailing zeros. For values below  $10\mu\text{H}$ , 'R' denotes the decimal point

Inductance Tolerance: K  
J = 5%  
K = 10%  
M = 20%

Lead-Free Option: LF = Lead-Free (No code used for non lead-free part)