

# BCL 322522

1210 Industry Size  
Surface Mount Inductors



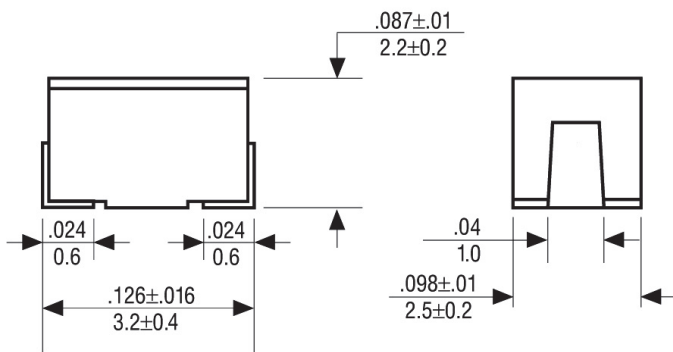
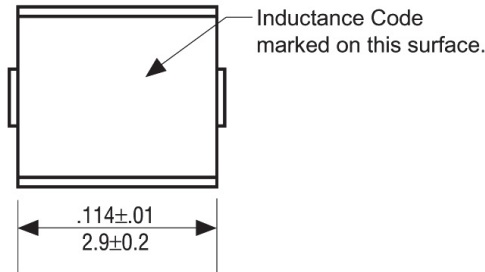
- Inductance Range 0.12 $\mu$ H to 120 $\mu$ H
- Standard Tolerance  $\pm 10\%$  (<3.3 $\mu$ H =  $\pm 20\%$ )
- Operating Temperature Range -40°C to +105°C
- Ambient Temperature, Maximum 80°C
- Resistance to Solder Heat 260°C for 10 sec.
- Terminal Pull Strength, Minimum 0.5 kg

## Specifications

Part Number	Inductance $\mu$ H	Q Min.	Test Frequency MHz	SRF MHz Min.	DC Resistance $\Omega$ Max	Rated Current IDC mA
BCL322522-R12MLF	0.12 $\pm 20\%$	30	25.2	500	0.22	450
BCL322522-R15MLF	0.15 $\pm 20\%$	30	25.2	450	0.25	450
BCL322522-R18MLF	0.18 $\pm 20\%$	30	25.2	400	0.28	450
BCL322522-R22MLF	0.22 $\pm 20\%$	30	25.2	350	0.32	450
BCL322522-R27MLF	0.27 $\pm 20\%$	30	25.2	320	0.36	450
BCL322522-R33MLF	0.33 $\pm 20\%$	30	25.2	300	0.40	450
BCL322522-R39MLF	0.39 $\pm 20\%$	30	25.2	250	0.45	450
BCL322522-R47MLF	0.47 $\pm 20\%$	30	25.2	220	0.50	450
BCL322522-R56MLF	0.56 $\pm 20\%$	30	25.2	180	0.55	450
BCL322522-R68MLF	0.68 $\pm 20\%$	30	25.2	160	0.60	450
BCL322522-R82MLF	0.82 $\pm 20\%$	30	25.2	140	0.65	450
BCL322522-1R0MLF	1.0 $\pm 20\%$	30	7.96	120	0.70	400
BCL322522-1R2MLF	1.2 $\pm 20\%$	30	7.96	100	0.75	390
BCL322522-1R5MLF	1.5 $\pm 20\%$	30	7.96	85	0.85	370
BCL322522-1R8MLF	1.8 $\pm 20\%$	30	7.96	80	0.90	350
BCL322522-2R2MLF	2.2 $\pm 20\%$	30	7.96	75	1.00	320
BCL322522-2R7MLF	2.7 $\pm 20\%$	30	7.96	70	1.10	290
BCL322522-3R3KLF	3.3 $\pm 10\%$	30	7.96	60	1.20	260
BCL322522-3R9KLF	3.9 $\pm 10\%$	30	7.96	55	1.30	250
BCL322522-4R7KLF	4.7 $\pm 10\%$	30	7.96	50	1.50	220
BCL322522-5R6KLF	5.6 $\pm 10\%$	30	7.96	45	1.60	200
BCL322522-6R8KLF	6.8 $\pm 10\%$	30	7.96	40	1.80	180
BCL322522-8R2KLF	8.2 $\pm 10\%$	30	7.96	35	2.00	170
BCL322522-100KLF	10.0 $\pm 10\%$	30	2.52	30	2.10	150
BCL322522-120KLF	12.0 $\pm 10\%$	30	2.52	20	2.50	140
BCL322522-150KLF	15.0 $\pm 10\%$	30	2.52	20	2.80	130
BCL322522-180KLF	18.0 $\pm 10\%$	30	2.52	20	3.30	120
BCL322522-220KLF	22.0 $\pm 10\%$	30	2.52	20	3.70	110
BCL322522-270KLF	27.0 $\pm 10\%$	30	2.52	20	5.00	80
BCL322522-330KLF	33.0 $\pm 10\%$	30	2.52	17	5.60	70
BCL322522-390KLF	39.0 $\pm 10\%$	30	2.52	16	6.40	65
BCL322522-470KLF	47.0 $\pm 10\%$	30	2.52	15	7.00	60
BCL322522-560KLF	56.0 $\pm 10\%$	30	2.52	13	8.00	55
BCL322522-680KLF	68.0 $\pm 10\%$	30	2.52	12	9.00	50
BCL322522-820KLF	82.0 $\pm 10\%$	30	2.52	11	10.00	45
BCL322522-101KLF	100 $\pm 10\%$	20	0.796	10	11.00	40
BCL322522-121KLF	120 $\pm 10\%$	20	0.796	8	12.00	70

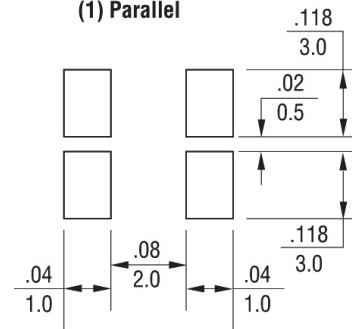
Last Updated: 8 April 2008

### Outline Dimensions (Inch/mm)

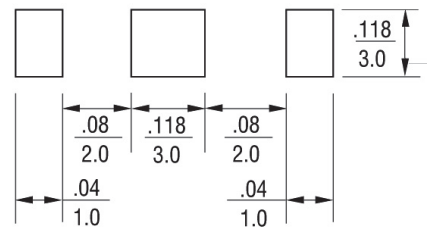


### Recommended PCB Layout

#### (1) Parallel



#### (2) Series



### Packaging

**Standard:** Embossed Tape & Reel

Reel: Diameter = 7" (177.8mm)  
Capacity = 1000 Units

### Ordering Information

