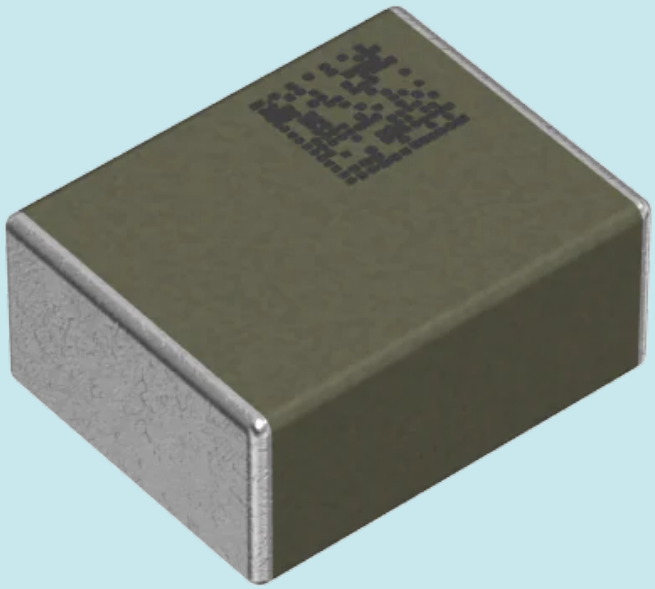
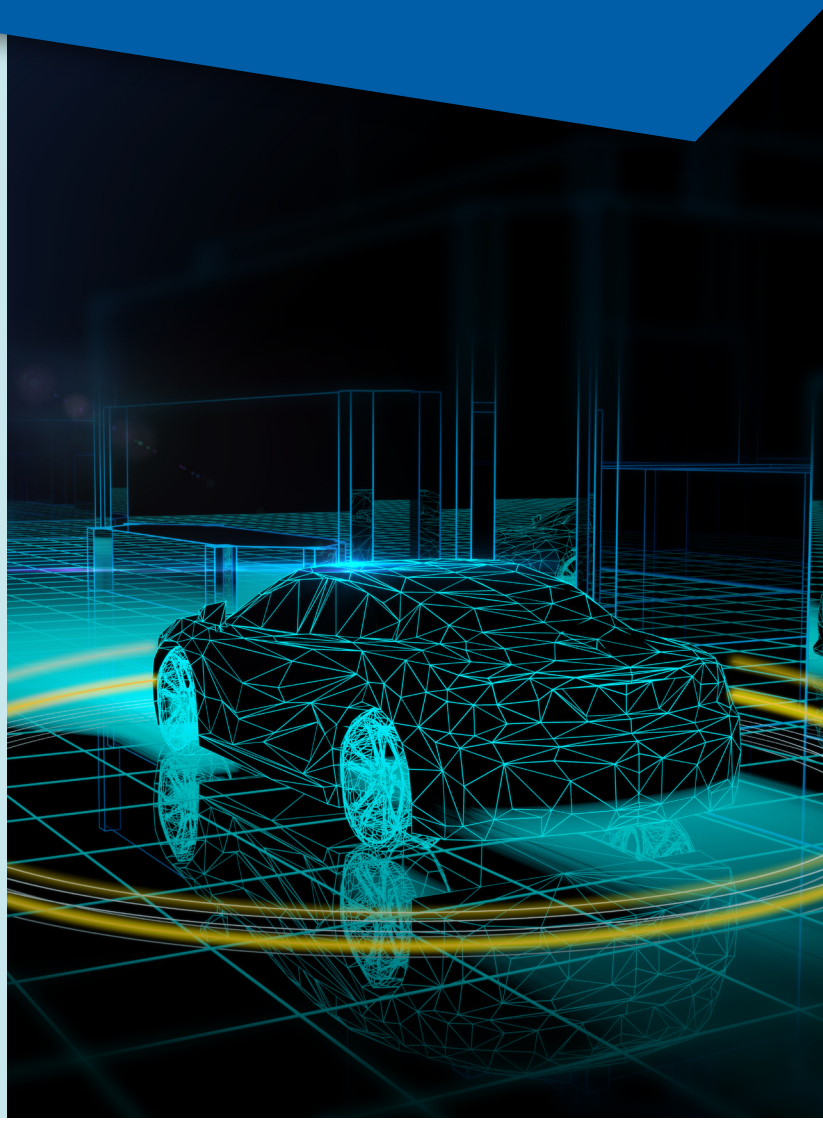
BCL3225-AUTO-KIT

Wound Metal Automotive Power Inductor Sample Kit





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BCL3225 type

AEC-Q200

Features

- The adoption of the new method has resulted in a high inductance that could not be achieved with conventional metallic materials
- Due to the properties of metallic materials, they are more able to handle larger currents than ferrite materials
- The use of high-μ materials has made it possible to achieve low Rdc in metal products
- The coil is fully encapsulated with a magnetic material to minimize leakage flux
- Supports rated voltage of 40V
- Operating temperature range: -55 to +155°C (including self-temperature rise)
- Compliant with AEC-Q200

Application

- ADAS - Level5 for Camera

L	Tolerance	DC Resistance		Rated Current			Part Number	Kit Quantity
(μH)		max (Ω)	typ. (Ω)	Isat (A) max.	(A) typ.	Itemp (A) typ.		
4.7	±20%	0.163	0.13	1.71	2.14	2.08	BCL322515RT-4R7M-D	5
6.8	±20%	0.32	0.19	1.43	1.79	1.79	BCL322515RT-6R8M-D	5
10	±20%	0.32	0.28	1.20	1.51	1.50	BCL322515RT-100M-D	5
15	±20%	0.48	0.41	0.98	1.23	1.19	BCL322515RT-150M-D	5
22	±20%	0.71	0.61	0.80	1.00	0.96	BCL322515RT-220M-D	5
3	±20%	1.11	0.97	0.68	0.85	0.75	BCL322515RT-330M-D	5
47	±20%	1.40	1.22	0.57	0.72	0.67	BCL322515RT-470M-D	5
2.2	±20%	0.064	0.055	3.45	4.31	3.21	BCL322520RT-2R2M-D	5
3.3	±20%	0.078	0.068	3.13	3.91	2.99	BCL322520RT-3R3M-D	5
4.7	±20%	0.11	0.09	2.50	3.12	2.52	BCL322520RT-4R7M-D	5
6.8	±20%	0.18	0.16	2.24	2.80	1.87	BCL322520RT-6R8M-D	5
10	±20%	0.23	0.20	1.71	2.14	1.72	BCL322520RT-100M-D	5
15	±20%	0.32	0.28	1.33	1.67	1.47	BCL322520RT-150M-D	5
22	±20%	0.46	0.40	1.20	1.49	1.20	BCL322520RT-220M-D	5
33	±20%	0.67	0.59	0.92	1.16	0.99	BCL322520RT-330M-D	5
47	±20%	1.05	0.91	0.80	1.00	0.78	BCL322520RT-470M-D	5
68	±20%	1.63	1.42	0.68	0.84	0.62	BCL322520RT-680M-D	5
100	±20%	2.29	1.99	0.56	0.70	0.52	BCL322520RT-101M-D	5