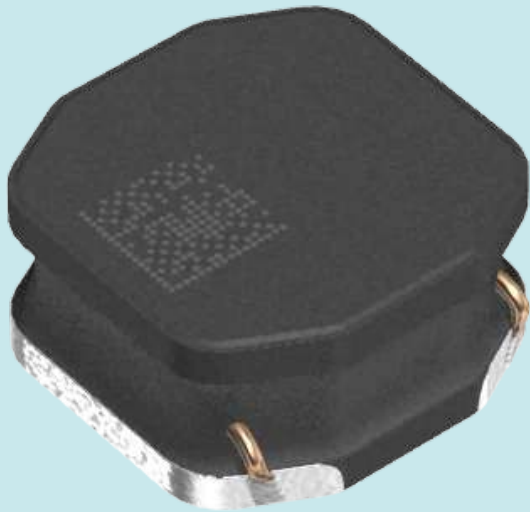


VLS3015CX-H-KIT

Wound Ferrite Automotive Power Inductor
Sample Kit



VLS3015CX-H type

AEC-Q200

Features

- Magnetic shield type wound inductor for power circuits using a ferrite magnetic material
- High magnetic shield construction and compatible with high-density mounting
- Larger current and lower Rdc were achieved by optimizing the ferrite core figure
- Operating temperature range: -40 to +125°C (including self-temperature rise)
- Compliant with AEC-Q200

Application

- ADAS ECU, in-Vehicle camera (view camera, sensing camera), airbags, radar, meter cluster, automotive communication module, other power supply circuit uses

Part Number Construction

VLS	3015	C	X	-	101	M	-	H
Series Name	LxWxH dimensions 3.0x3.0x1.5 mm	Internal Code 1	Internal Code 2		Inductance (μH)	Inductance Tolerance		Internal Code 3

L (μH)	Tolerance	DC Resistance typ. (Ω)	Rated Current		Part Number	Kit Quantity
			Isat (A) max.	Itemp (A) typ.		
1.0	±20%	0.032	2.30	3.70	VLS3015CX-1R0M-H	5
1.5	±30%	0.045	1.73	3.00	VLS3015CX-1R5M-H	5
2.2	±30%	0.050	1.48	2.67	VLS3015CX-2R2M-H	5
3.3	±30%	0.084	1.29	2.24	VLS3015CX-3R3M-H	5
4.7	±20%	0.100	1.15	2.13	VLS3015CX-4R7M-H	5
6.8	±20%	0.160	0.95	1.35	VLS3015CX-6R8M-H	5
10	±20%	0.238	0.67	1.13	VLS3015CX-100M-H	5
15	±20%	0.357	0.57	1.05	VLS3015CX-150M-H	5
22	±20%	0.550	0.45	0.91	VLS3015CX-220M-H	5
33	±20%	0.740	0.35	0.73	VLS3015CX-330M-H	5
47	±20%	1.160	0.29	0.60	VLS3015CX-470M-H	5
68	±20%	1.880	0.24	0.45	VLS3015CX-680M-H	5
100	±20%	2.120	0.23	0.33	VLS3015CX-101M-H	5