

VLS5045EX-H-KIT

Wound Ferrite Automotive Power Inductor
Sample Kit



VLS5045EX-H type

AEC-Q200

Features

- Magnetic shield type wound inductor for power circuits
- High magnetic shield construction achieved by a ferrite magnetic material 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)

Application

- Automotive-related equipment (ECM, airbags, headlights, electronic power steering, meters, ABS, other)

Part Number Construction

VLS	5045	EX	-	1R0	N	-	H
Series Name	LxWxH dimensions 5.0x5.0x4.5 mm	Internal Code		Inductance (μH)	Inductance Tolerance		Internal Code

L (μH)	Tolerance	DC		Rated Current		Part Number	Kit Quantity
		Resistance typ. (Ω) ±30%	Isat (A) max.	Itemp (A) typ.			
1.0	±30%	0.015	8.9	5.1		VLS5045EX-1R0N-H	6
1.5	±30%	0.017	7.4	5.0		VLS5045EX-1R5N-H	6
2.2	±30%	0.022	6.4	4.7		VLS5045EX-2R2N-H	6
3.3	±30%	0.027	5.2	4.2		VLS5045EX-3R3N-H	6
4.7	±20%	0.036	4.4	3.2		VLS5045EX-4R7M-H	6
6.8	±20%	0.046	3.6	2.9		VLS5045EX-6R8M-H	6
10	±20%	0.061	3.1	2.5		VLS5045EX-100M-H	6
15	±20%	0.110	2.2	1.9		VLS5045EX-150M-H	6
22	±20%	0.125	2.0	1.8		VLS5045EX-220M-H	6
33	±20%	0.24	1.5	1.3		VLS5045EX-330M-H	6
47	±20%	0.30	1.3	1.0		VLS5045EX-470M-H	6
68	±20%	0.41	1.1	0.9		VLS5045EX-680M-H	6
100	±20%	0.58	0.8	0.7		VLS5045EX-101M-H	6
150	±20%	0.73	0.56	0.61		VLS5045EX-151M-H	6
220	±20%	1.05	0.45	0.45		VLS5045EX-221M-H	6