

VLS6045EX-H-KIT

Wound Ferrite Automotive Power Inductor
Sample Kit



VLS6045EX-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	6045	EX	-	1R0	N	-	H
Series Name	LxWxH dimensions 6.0x6.3x4.5 mm	Internal Code		Inductance (μH)	Inductance Tolerance		Internal Code

L (μH)	Tolerance	DC			Part Number	Kit Quantity
		Resistance typ. (Ω) ±30%	Rated Current Isat (A) max.	Itemp (A) typ.		
1.0	±30%	0.012	12.0	6.0	VLS6045EX-1R0N-H	6
1.5	±30%	0.017	8.2	5.3	VLS6045EX-1R5N-H	6
2.2	±30%	0.019	7.5	5.1	VLS6045EX-2R2N-H	6
3.3	±30%	0.023	6.5	4.95	VLS6045EX-3R3N-H	6
4.7	±20%	0.027	5.8	4.2	VLS6045EX-4R7M-H	6
6.8	±20%	0.036	4.7	3.6	VLS6045EX-6R8M-H	6
10	±20%	0.047	3.9	3.4	VLS6045EX-100M-H	6
15	±20%	0.075	3.1	2.5	VLS6045EX-150M-H	6
22	±20%	0.105	2.4	1.9	VLS6045EX-220M-H	6
33	±20%	0.175	1.9	1.5	VLS6045EX-330M-H	6
47	±20%	0.23	1.8	1.3	VLS6045EX-470M-H	6
68	±20%	0.31	1.4	1.0	VLS6045EX-680M-H	6
150	±20%	0.76	0.9	0.7	VLS6045EX-151M-H	6
220	±20%	1.15	0.8	0.5	VLS6045EX-221M-H	6