

# VLS5045EX-H-KIT

## Wound Ferrite Power Inductor Sample Kit

### PRODUCT HIGHLIGHTS

- Magnetically shielded, wire wound inductors for power circuits
- Larger current and lower Rdc than conventional products
- Magnetic shield structure enables high-density mounting
- Stable manufacturing is ensured through use of automated production line
- Dimensions: 5.0 x 5.3 x 4.5 mm
- Operating temperature range of -40°C to +125°C
- AEC-Q200 compliant



### APPLICATION EXAMPLES

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

VLS5045EX-H-KIT Contents

TDK Part Number	Description	Quantity
VLS5045EX-1R0N-H	1μH ±30%, 8.9A, 19.5mΩ, AEC-Q200	6 pcs
VLS5045EX-1R5N-H	1.5μH ±30%, 7.4A, 22.1mΩ, AEC-Q200	6 pcs
VLS5045EX-2R2N-H	2.2μH ±30%, 6.4A, 28.6mΩ, AEC-Q200	6 pcs
VLS5045EX-3R3N-H	3.3μH ±30%, 5.2A, 35.1mΩ, AEC-Q200	6 pcs
VLS5045EX-4R7M-H	4.7μH ±20%, 4.4A, 46.8mΩ, AEC-Q200	6 pcs
VLS5045EX-6R8M-H	6.8μH ±20%, 3.6A, 59.8mΩ, AEC-Q200	6 pcs
VLS5045EX-100M-H	10μH ±20%, 3.1A, 79.3mΩ, AEC-Q200	6 pcs
VLS5045EX-150M-H	15μH ±20%, 2.2A, 143mΩ, AEC-Q200	6 pcs
VLS5045EX-220M-H	22μH ±20%, 2A, 162.5mΩ, AEC-Q200	6 pcs
VLS5045EX-330M-H	33μH ±20%, 1.5A, 312mΩ, AEC-Q200	6 pcs
VLS5045EX-470M-H	47μH ±20%, 1.3A, 390mΩ, AEC-Q200	6 pcs
VLS5045EX-680M-H	68μH ±20%, 1.1A, 533mΩ, AEC-Q200	6 pcs
VLS5045EX-101M-H	100μH ±20%, 0.8A, 754mΩ, AEC-Q200	6 pcs
VLS5045EX-151M-H	150μH ±20%, 0.56A, 949mΩ, AEC-Q200	6 pcs
VLS5045EX-221M-H	220μH ±20%, 0.45A, 1365mΩ, AEC-Q200	6 pcs

### DESIGN RESOURCES

- [VLS5045EX-H Datasheet](#)
- [VLS Series Power Inductor Product Overview](#)
- [Selection Guide - Inductors for Power Circuits](#)
- [Application Note - How to Use Power Inductors](#)

### Product Structure

