

# VLS6045EX-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: 6.0 x 6.3 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.)

VLS6045EX-H-KIT Contents

TDK Part Number	Description	Quantity
VLS6045EX-1R0N-H	1μH ±30%, 12A, 16mΩ, AEC-Q200	6 pcs
VLS6045EX-1R5N-H	1.5μH ±30%, 8.2A, 22mΩ, AEC-Q200	6 pcs
VLS6045EX-2R2N-H	2.2μH ±30%, 7.5A, 25mΩ, AEC-Q200	6 pcs
VLS6045EX-3R3N-H	3.3μH ±30%, 6.5A, 30mΩ, AEC-Q200	6 pcs
VLS6045EX-4R7M-H	4.7μH ±20%, 5.8A, 35mΩ, AEC-Q200	6 pcs
VLS6045EX-6R8M-H	6.8μH ±20%, 4.7A, 47mΩ, AEC-Q200	6 pcs
VLS6045EX-100M-H	10μH ±20%, 3.9A, 61mΩ, AEC-Q200	6 pcs
VLS6045EX-150M-H	15μH ±20%, 3.1A, 98mΩ, AEC-Q200	6 pcs
VLS6045EX-220M-H	22μH ±20%, 2.4A, 137mΩ, AEC-Q200	6 pcs
VLS6045EX-330M-H	33μH ±20%, 1.9A, 228mΩ, AEC-Q200	6 pcs
VLS6045EX-470M-H	47μH ±20%, 1.8A, 299mΩ, AEC-Q200	6 pcs
VLS6045EX-680M-H	68μH ±20%, 1.4A, 403mΩ, AEC-Q200	6 pcs
VLS6045EX-151M-H	150μH ±20%, 0.9A, 988mΩ, AEC-Q200	6 pcs
VLS6045EX-221M-H	220μH ±20%, 0.8A, 1495mΩ, AEC-Q200	6 pcs



### DESIGN RESOURCES

- [VLS6045EX-H Datasheet](#)
- [VLS Series Power Inductor Product Overview](#)
- [Selection Guide - Inductors for Power Circuits](#)
- [Application Note - How to Use Power Inductors](#)

### Product Structure

