

## VLS-HBX-1 Series Power Inductor Kit

### Commercial Grade Power Inductor Sample Kit



TDK's VLS-HBX-1 Series Power Inductors are magnetically shielded, wire wound inductors with a metallic magnetic core designed for use in power circuit applications. The VLS-HBX-1 series has high magnetic shield construction and is compatible with high-density mounting. The large current of the VLS-HBX-1 series was achieved with the use of the metallic magnetic core material.



#### Features

- Magnetically shielded, wire wound inductor with metallic magnetic core
- Conforms to RoHS directive, halogen free, & compatible with lead-free soldering
- Standard operating temperature range of  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$
- Storage temperature range of  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$  (after PC board mounting)

Commercial

Power



#### Applications

- Smart phones
- Tablet Terminals
- HDDs, SSDs, DVCs, DSCs
- Mobile display panels
- Portable game devices
- Compact power supply modules

[VLS201610HBX-1](#)  
[VLS201612HBX-1](#)  
[VLS252010HBX-1](#)  
[VLS252012HBX-1](#)

### VLS-HBX-1 Series Power Inductor Kit Includes:

**Case Sizes:** 201610, 201612, 252010, 252012

**Inductance Range:** 0.24-10 $\mu\text{H}$

**Current Rating:** 0.97-7.1A

Kit contains 180 pieces total—6 pieces per value

Now Available at:



[445-174861-KIT-ND](#)

Click the links above for ordering information.

## VLS-HBX-1 Series Power Inductors Kit Includes:

| Digi-Key Part Number | TDK Part Number     | Case Size Inductance Value Tol |
|----------------------|---------------------|--------------------------------|
| 445-174861-KIT-ND    | VLS201610HBX-R47M-1 | 201610 0.47±20%                |
|                      | VLS201610HBX-R68M-1 | 201610 0.68±20%                |
|                      | VLS201610HBX-1R0M-1 | 201610 1.0±20%                 |
|                      | VLS201610HBX-1R5M-1 | 201610 1.5±20%                 |
|                      | VLS201610HBX-2R2M-1 | 201610 2.2±20%                 |
|                      | VLS201610HBX-4R7M-1 | 201610 4.7±20%                 |
|                      | VLS201610HBX-6R8M-1 | 201610 6.8±20%                 |
|                      | VLS201612HBX-R24M-1 | 201612 0.24±20%                |
|                      | VLS201612HBX-R47M-1 | 201612 0.47±20%                |
|                      | VLS201612HBX-R68M-1 | 201612 0.68±20%                |
|                      | VLS201612HBX-1R0M-1 | 201612 1.0±20%                 |
|                      | VLS201612HBX-2R2M-1 | 201612 2.2±20%                 |
|                      | VLS201612HBX-4R7M-1 | 201612 4.7±20%                 |
|                      | VLS252010HBX-R33M-1 | 252010 0.33±20%                |
|                      | VLS252010HBX-R47M-1 | 252010 0.47±20%                |
|                      | VLS252010HBX-1R0M-1 | 252010 1.0±20%                 |
|                      | VLS252010HBX-1R5M-1 | 252010 1.5±20%                 |
|                      | VLS252010HBX-2R2M-1 | 252010 2.2±20%                 |
|                      | VLS252010HBX-4R7M-1 | 252010 4.7±20%                 |
|                      | VLS252010HBX-6R8M-1 | 252010 6.8±20%                 |
|                      | VLS252010HBX-100M-1 | 252010 10±20%                  |
|                      | VLS252012HBX-R24M-1 | 252012 0.24±20%                |
|                      | VLS252012HBX-R33M-1 | 252012 0.33±20%                |
|                      | VLS252012HBX-R47M-1 | 252012 0.47±20%                |
|                      | VLS252012HBX-1R0M-1 | 252012 1.0±20%                 |
|                      | VLS252012HBX-1R5M-1 | 252012 1.5±20%                 |
|                      | VLS252012HBX-2R2M-1 | 252012 2.2±20%                 |
|                      | VLS252012HBX-3R3M-1 | 252012 3.3±20%                 |
|                      | VLS252012HBX-4R7M-1 | 252012 4.7±20%                 |
|                      | VLS252012HBX-100M-1 | 252012 10±20%                  |