

## VLS-CX Series Power Inductor Kit

### Commercial Grade Power Inductor Sample Kit

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



#### Features

- Magnetically shielded, wire wound inductor with ferrite 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

[VLS201610CX](#)

[VLS201612CX](#)

[VLS252010CX](#)

[VLS252012CX](#)

### VLS-CX Series Power Inductor Kit Includes:

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

**Inductance Range:** 0.24-22 $\mu\text{H}$

**Current Rating:** 0.56-4.35A

Kit contains 120 pieces total—6 pieces per value

Now Available at:



[445-174860-KIT-ND](#)

Click the links above for ordering information.

## VLS-CX Series Power Inductors Kit Includes:

| Digi-Key Part Number | TDK Part Number  | Case Size Inductance Value Tol |
|----------------------|------------------|--------------------------------|
| 445-174860-KIT-ND    | VLS201610CX-R24M | 201610 0.24 $\mu$ H $\pm$ 20%  |
|                      | VLS201610CX-R47M | 201610 0.47 $\mu$ H $\pm$ 20%  |
|                      | VLS201610CX-1R5M | 201610 1.5 $\mu$ H $\pm$ 20%   |
|                      | VLS201610CX-4R7M | 201610 4.7 $\mu$ H $\pm$ 20%   |
|                      | VLS201610CX-100M | 201610 10 $\mu$ H $\pm$ 20%    |
|                      | VLS201610CX-220M | 201610 22 $\mu$ H $\pm$ 20%    |
|                      | VLS201612CX-1R0M | 201612 1.0 $\mu$ H $\pm$ 20%   |
|                      | VLS201612CX-2R2M | 201612 2.2 $\mu$ H $\pm$ 20%   |
|                      | VLS201612CX-4R7M | 201612 4.7 $\mu$ H $\pm$ 20%   |
|                      | VLS201612CX-6R8M | 201612 6.8 $\mu$ H $\pm$ 20%   |
|                      | VLS201612CX-100M | 201612 10 $\mu$ H $\pm$ 20%    |
|                      | VLS252010CX-R47M | 252010 0.47 $\mu$ H $\pm$ 20%  |
|                      | VLS252010CX-1R0M | 252010 1.0 $\mu$ H $\pm$ 20%   |
|                      | VLS252012CX-1R0M | 252012 1.0 $\mu$ H $\pm$ 20%   |
|                      | VLS252012CX-1R5M | 252012 1.5 $\mu$ H $\pm$ 20%   |
|                      | VLS252012CX-2R2M | 252012 2.2 $\mu$ H $\pm$ 20%   |
|                      | VLS252012CX-3R3M | 252012 3.3 $\mu$ H $\pm$ 20%   |
|                      | VLS252012CX-4R7M | 252012 4.7 $\mu$ H $\pm$ 20%   |
|                      | VLS252012CX-100M | 252012 10 $\mu$ H $\pm$ 20%    |
|                      | VLS252012CX-150M | 252012 15 $\mu$ H $\pm$ 20%    |