

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°C to $+105^{\circ}\text{C}$
- Storage temperature range of -40°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 μH

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 μ H \pm 20%
	VLS201610CX-R47M	201610 0.47 μ H \pm 20%
	VLS201610CX-1R5M	201610 1.5 μ H \pm 20%
	VLS201610CX-4R7M	201610 4.7 μ H \pm 20%
	VLS201610CX-100M	201610 10 μ H \pm 20%
	VLS201610CX-220M	201610 22 μ H \pm 20%
	VLS201612CX-1R0M	201612 1.0 μ H \pm 20%
	VLS201612CX-2R2M	201612 2.2 μ H \pm 20%
	VLS201612CX-4R7M	201612 4.7 μ H \pm 20%
	VLS201612CX-6R8M	201612 6.8 μ H \pm 20%
	VLS201612CX-100M	201612 10 μ H \pm 20%
	VLS252010CX-R47M	252010 0.47 μ H \pm 20%
	VLS252010CX-1R0M	252010 1.0 μ H \pm 20%
	VLS252012CX-1R0M	252012 1.0 μ H \pm 20%
	VLS252012CX-1R5M	252012 1.5 μ H \pm 20%
	VLS252012CX-2R2M	252012 2.2 μ H \pm 20%
	VLS252012CX-3R3M	252012 3.3 μ H \pm 20%
	VLS252012CX-4R7M	252012 4.7 μ H \pm 20%
	VLS252012CX-100M	252012 10 μ H \pm 20%
	VLS252012CX-150M	252012 15 μ H \pm 20%