

VLF-MT Series Power Inductor Kit

Commercial Grade Power Inductor Sample Kit

TDK's VLF-MT Series Power Inductors are magnetically shielded, wire wound inductors with a ferrite core designed for use in power circuit applications. The VLF-MT series has high magnetic shield construction and is compatible with high-density mounting. The low profile of the VLF-MT series makes it ideal for power circuit applications with height restrictions.



Features

- Magnetically shielded, wound ferrite type inductor
- 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)

Applications

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

Commercial

Power



[VLF302510MT](#)

[VLF302512MT](#)

[VLF302515MT](#)

[VLF403210MT](#)

[VLF403212MT](#)

[VLF403215MT](#)

VLF-MT Series Power Inductor Kit Includes:

Case Sizes: 302510, 302512, 302515, 403210, 403212, 403215

Inductance Range: 1-22 μH

Current Rating: 0.55-3.62A

Kit contains 168 pieces total—6 pieces per value

Now Available at:



[445-174862-KIT-ND](#)

Click the links above for ordering information.

VLF-MT Series Power Inductors Kit Includes:

Digi-Key Part Number	TDK Part Number	Case Size Inductance Value Tol
445-174862-KIT-ND	VLF302510MT-1R0N	302510 1 μ H \pm 30%
	VLF302510MT-3R3M	302510 3.3 μ H \pm 20%
	VLF302510MT-4R7M	302510 4.7 μ H \pm 20%
	VLF302510MT-100M	302510 10 μ H \pm 20%
	VLF302510MT-150M	302510 15 μ H \pm 20%
	VLF302512MT-1R0N	302512 1 μ H \pm 30%
	VLF302512MT-2R2M	302512 2.2 μ H \pm 20%
	VLF302512MT-3R3M	302512 3.3 μ H \pm 20%
	VLF302512MT-4R7M	302512 4.7 μ H \pm 20%
	VLF302512MT-100M	302512 10 μ H \pm 20%
	VLF302512MT-150M	302512 15 μ H \pm 20%
	VLF302515MT-1R0N	302515 1 μ H \pm 30%
	VLF302515MT-1R5N	302515 1.5 μ H \pm 30%
	VLF302515MT-2R2M	302515 2.2 μ H \pm 20%
	VLF302515MT-3R3M	302515 3.3 μ H \pm 20%
	VLF302515MT-4R7M	302515 4.7 μ H \pm 20%
	VLF302515MT-100M	302515 10 μ H \pm 20%
	VLF302515MT-150M	302515 15 μ H \pm 20%
	VLF403210MT-100M	403210 10 μ H \pm 20%
	VLF403210MT-220M	403210 22 μ H \pm 20%
	VLF403212MT-1R0N	403212 1 μ H \pm 30%
	VLF403212MT-2R2M	403212 2.2 μ H \pm 20%
	VLF403212MT-100M	403212 10 μ H \pm 20%
	VLF403215MT-1R0N	403215 1 μ H \pm 30%
	VLF403215MT-2R2M	403215 2.2 μ H \pm 20%
	VLF403215MT-4R7M	403215 4.7 μ H \pm 20%
	VLF403215MT-150M	403215 15 μ H \pm 20%
	VLF403215MT-220M	403215 22 μ H \pm 20%