

MLD2016S-D25 Series Power Inductors

Multilayer Inductors for Automotive Power Circuits



TDK's MLD2016S-D25 series power inductors are magnetically shielded multilayer inductors with a ferrite core designed for use in automotive power circuits.

Features

- Magnetically shielded
- Multilayer with a ferrite core
- Operating temperature range of -40°C to $+125^{\circ}\text{C}$
- Storage temperature range of -40°C to $+125^{\circ}\text{C}$ after the circuit board is mounted

Multilayer

Ferrite Core

Automotive



Applications

- ADAS
- Car multimedia (telematics)
- Various ECUs & modules

[MLD2016S-D25 Datasheet](#)

MLD	2016		S	1R0		M	T	D25			
Series name	L x W dimensions (mm)		Characteristic type		Inductance (μH)		Height (mm max.)		Packaging style	Internal code	
	2016	2.0x1.6	S	STD product		R47	0.47	M	1.0	T	Taping
						1R0	1.0				

MLD2016S-D25 Series Information

Case Size: 2016—2.0mm x 1.6mm x 1.0mm (EIA 0806)

Inductance Range: 1.0-4.7 μH $\pm 20\%$

Rated Current (max.): 750-1100mA

DC Resistance: 0.12-0.25 Ω $\pm 30\%$

Quantity per Reel: 3,000