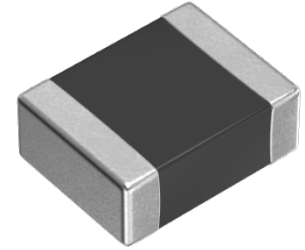


TFM322512-AUTO-KIT

Thin-film Automotive Power Inductor Sample Kit



PRODUCT HIGHLIGHTS

- Thin-film power inductors with metal core
- Excellent DC bias characteristics & low magnetic leakage flux
- Excellent mounting stability characteristics
 - Can be mounted to general-purpose land patterns
- Dimensions: 3.2 x 2.5 x 1.2 mm
- Rated voltage characteristics:
 - TFM322512ALMA Series: 20Vmax.
 - TFM322512ALVA Series: 40Vmax.
- Operating temperature range of -55°C to +150°C
- Compliant with AEC-Q200

APPLICATION EXAMPLES

- ADAS ECU, in-vehicle camera (view camera, sensing camera), radar, meter cluster, automotive communication module
- Other power supply circuit uses

TFM322512-AUTO-KIT Contents

TDK Part Number	Description	Quantity
TFM322512ALMAR47MTAA	470nH ±20%, 7.6A, 21mΩ, 20Vmax.	10 pcs
TFM322512ALMAR68MTAA	680nH ±20%, 6.1A, 30mΩ, 20Vmax.	10 pcs
TFM322512ALMA1R0MTAA	1μH ±20%, 5.1A, 37mΩ, 20Vmax.	10 pcs
TFM322512ALMA1R5MTAA	1.5μH ±20%, 4.5A, 57mΩ, 20Vmax.	10 pcs
TFM322512ALMA2R2MTAA	2.2μH ±20%, 3.6A, 77mΩ, 20Vmax.	10 pcs
TFM322512ALMA3R3MTAA	3.3μH ±20%, 2.8A, 113mΩ, 20Vmax.	10 pcs
TFM322512ALMA4R7MTAA	4.7μH ±20%, 2.5A, 151mΩ, 20Vmax.	10 pcs
TFM322512ALMA6R8MTAA	6.8μH ±20%, 2.1A, 260mΩ, 20Vmax.	10 pcs
TFM322512ALMA100MTAA	10μH ±20%, 1.8A, 360mΩ, 20Vmax.	10 pcs
TFM322512ALVA1R0MTAA	1μH ±20%, 5.1A, 37mΩ, 40Vmax.	10 pcs
TFM322512ALVA1R5MTAA	1.5μH ±20%, 4.5A, 57mΩ, 40Vmax.	10 pcs
TFM322512ALVA2R2MTAA	2.2μH ±20%, 3.6A, 77mΩ, 40Vmax.	10 pcs
TFM322512ALVA3R3MTAA	3.3μH ±20%, 2.8A, 113mΩ, 40Vmax.	10 pcs
TFM322512ALVA4R7MTAA	4.7μH ±20%, 2.5A, 151mΩ, 40Vmax.	10 pcs
TFM322512ALVA6R8MTAA	6.8μH ±20%, 2.1A, 260mΩ, 40Vmax.	10 pcs
TFM322512ALVA100MTAA	10μH ±20%, 1.8A, 360mΩ, 40Vmax.	10 pcs

DESIGN RESOURCES

- [TFM322512ALMA Datasheet](#)
- [TFM322512ALVA Datasheet](#)
- [TFM Series Power Inductor Product Overview](#)
- [Selection Guide - Inductors for Power Circuits \(Automotive Grade\)](#)
- [Application Note - How to Use Power Inductors](#)
- [Product Overview – High frequency power inductors for automotive applications designed for outstanding reliability to reduce failure risks](#)