IFLR-2727EZ-01



Vishay Dale

Low Profile, High Current Inductors



FEATURES

- Shielded construction
- Frequency range up to 2 MHz
- Material categorization: for definitions of compliance please see <u>www.vishav.com/doc?99912</u>

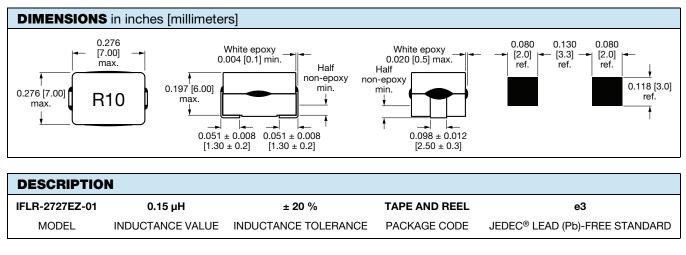
APPLICATIONS

- Notebook / desktop / server applications
- High current POL converters
- · Low profile, high current power supplies
- DC/DC converters in distributed power systems

STANDARD ELECTRICAL SPECIFICATIONS DCR DCR HEAT RATING SATURATION CURRENT CURRENT MAX. TYP. PART NUMBER ± 20 % AT 100 kHz. 25 °C 25 °C DC TYP. DC TYP. 1 V, 0 A (A) ⁽³⁾ (A) ⁽⁴⁾ **(m**Ω) (mΩ) (µH) IFLR2727EZER72NM01 0.072 0.32 0.35 45 58 IFLR2727EZERR10M01 0.105 0.32 0.35 45 46 IFLR2727EZERR15M01 0.150 0.32 0.35 45 30

Notes

- ⁽¹⁾ All test data is referenced to 25 °C ambient.
- ⁽²⁾ Operating and Storage temperature range -40 °C to +125 °C.
- ⁽³⁾ DC current (A) that will cause an approximate Δ T of 40 °C.
- ⁽⁴⁾ DC current (A) that will cause L_0 to drop approximately 20 %.
- (5) The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.



	R 1 5 M 0 1
PRODUCT FAMILY SIZE PACKAGE CODE	INDUCTANCE TOL. SERIES VALUE

Revision: 26-Mar-2025

1 For technical questions, contact: <u>magnetics@vishay.com</u> Document Number: 34420

Pb-free

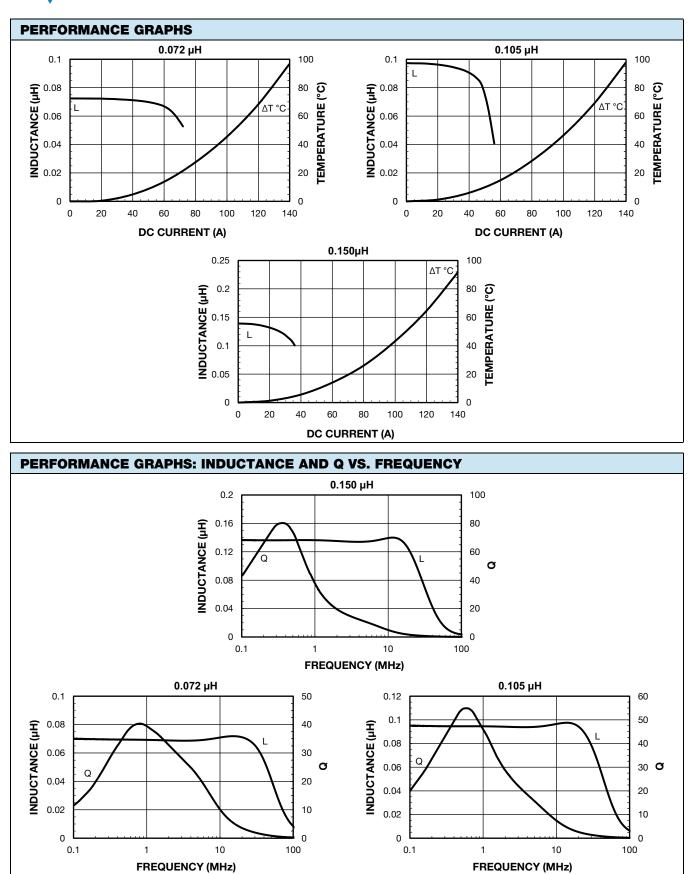
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