



DID YOU KNOW?

VISHAY AUTOMOTIVE GRADE IHLP® POWER INDUCTORS

Vishay offers IHLP power inductors approved to Vishay Automotive Grade. Vishay Automotive Grade is a level of quality above AEC-Q200, with the following quality systems added to provide customers with increased reliability:

1. Maverick lot
2. Safe launch
3. Continuous quality monitoring
4. Design for manufacturability
5. Limit of two date codes per reel

The Automotive Grade Part Numbers are designated in the Series of the part number. These are the last two characters in the part number.

Commercial Series		Automotive Series
01	→	A1
11	→	1A
51	→	5A
81	→	8A

Frequently Asked Questions

Is there any performance difference between the Automotive Grade and commercial grade IHLP? No. The electrical performance is identical between the Automotive Grade and commercial grade IHLP. Some minor dimensional differences may occur between Automotive grade and commercial grade IHLP's in the 5050EZ and 5050FD products. See datasheets for details.

What are the advantages of using the Automotive Grade IHLP? The Automotive Grade IHLP provide an extra measure of reliability insured by the additional quality systems listed above. These quality systems insure the highest level of reliability available for the IHLP inductors.

Is there a difference in cost between the Automotive Grade and commercial grade IHLP? Yes – due to the higher level of reliability there is a nominal increase in price for the Automotive Grade product. The price increase is dependent on the IHLP size and value.

Can we continue to purchase commercial grade IHLP for automotive applications? Yes, but we need written approval from the customer to provide commercial grade IHLP for automotive applications. Commercial grade IHLP carry only a replacement warranty and no other quality conditions or obligations outlined in any supplier agreement apply to commercial IHLP.

Why are some IHLP not available as Automotive Grade? While Vishay is very confident with the reliability and performance of ALL IHLP products, there are some IHLP that may not be able to pass all the requirements of AEC-Q200. These IHLP are those that push the extremes of size and high inductance values.

