



INDUCTORS

IHCL-4040DZ-5A

Low-Profile, High-Current Coupled Inductors



KEY BENEFITS

- High temperature, up to 155 °C
- Shielded construction
- Coupling is > 90 % — optimized for SEPIC converters
- Compact size

APPLICATIONS

- Lighting
- Automotive lighting
- LED drivers
- High current filtering

RESOURCES

- Datasheets: IHCL-4040DZ-5A 2.2 μ H - www.vishay.com/doc?34355
 IHCL-4040DZ-5A 2.7 μ H - www.vishay.com/doc?34334
 IHCL-4040DZ-5A 4.7 μ H - www.vishay.com/doc?34356
 IHCL-4040DZ-5A 10 μ H - www.vishay.com/doc?34357
 IHCL-4040DZ-5A 15 μ H - www.vishay.com/doc?34358
 IHCL-4040DZ-5A 22 μ H - www.vishay.com/doc?34359
 IHCL-4040DZ-5A 33 μ H - www.vishay.com/doc?34360
 IHCL-4040DZ-5A 47 μ H - www.vishay.com/doc?34361
- For technical questions contact magnetics@vishay.com
- Material categorization: For definitions please see www.vishay.com/doc?99912



RoHS
COMPLIANT

HALOGEN
FREE

GREEN

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components





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Manufactured under one or more of the following:
US Patents; 6,198,375/6,204,744/6,449,829/6,460,244.
 Several foreign patents, and other patents pending.

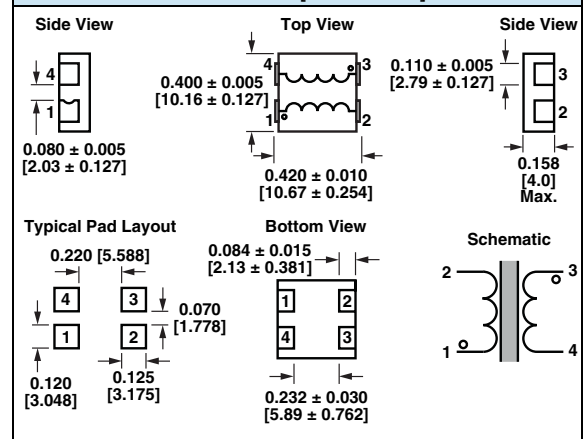
FEATURES

- High temperature, up to 155 °C
- Shielded construction
- Frequency range up to 5.0 MHz
- Lowest DCR/μH in this package size
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction
- Coupling is > 90 % - optimized for SEPIC converters
- AEC-Q200 qualified

APPLICATIONS

- SEPIC converters
- DC/DC converters
- Common mode applications
- LED lighting

DIMENSIONS in inches [millimeters]



DESCRIPTION

IHCL-4040DZ-5A	2.7 μH	± 20 %	ER	e3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	H	C	L	4	0	4	0	D	Z	E	R	1	2	R	M	5	A
PRODUCT FAMILY				SIZE				PACKAGE CODE		INDUCTANCE VALUE			TOL.	SERIES			

Revision 23-Jan-14

Inductors - Optimized for SEPIC Converters