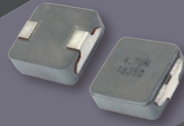


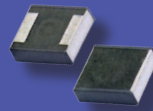
 **Power Inductors**

Composite Power Inductor



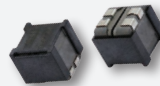
IHLP®

Magnetic Alloy Power Choke Coil



IHHP

Dual Inductors Based on IHLP® Technology



IHLD

Power Line Filter Inductor



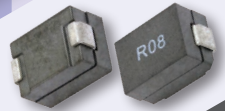
IHSM

IHLP® With Integrated E-Shield



IHLE

Single-Turn Power Inductors



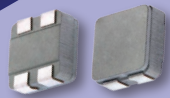
IFLR

Sealed Choke Coil



IFSC

Coupled Inductor Based on IHLP® Technology

























IHCL



POWER INDUCTORS

Focus Products

IHLP® Power Inductors								
Series	Inductance Min. (µH)	Inductance Max. (µH)	DCR Min. (mΩ)	DCR Max. (mΩ)	Heat Rated Current Range (A)	Saturation Current Range (A)	Size	
 IHLP-01 / -A1	0.047	22	0.75	129	1.9 to 80	4.5 to 129	1212 to 6767	
Composite power inductor; original series; best saturation; lowest core loss								
 IHLP-11 / -1A	0.1	100	0.67	270	1.7 to 75.5	1.75 to 55	1212 to 6767	
Composite power inductor; medium-permeability series; low DCR								
 IHLP-51 / -5A	0.1	100	0.67	208	2.4 to 80	1.6 to 100	1212 to 8787	
High-temperature composite power inductor; temperature range to +155 °C								
 IHLP-81 / -8A	0.1	100	0.67	208	2.4 to 80	1.6 to 100	1212 to 8787	
High-temperature composite power inductor; temperature range to +180 °C								





















IHLP®-Based Power Inductors								
Series	Inductance Min. (µH)	Inductance Max. (µH)	DCR Min. (mΩ)	DCR Max. (mΩ)	Heat Rated Current Range (A)	Saturation Current Range (A)	Size	
IHLP® power inductors; composite with integrated E-Field shield; extended temperature range to +155 °C								
 IHLE-2525CD-51 / -5A	0.47	22	4.14	174	2.8 to 20	2.2 to 14	2525	
 IHLE-3232DD-51 / -5A	0.22	33	1.86	159.43	3.1 to 36	3.2 to 32	3232	
 IHLE-4040DD-51 / -5A	0.47	47	1.66	178	2.5 to 30	4.5 to 28.5	4040	
 IHLE-5050FH-51 / -5A	0.22	100	0.81	185.11	3.2 to 66	4.3 to 68	5050	
IHLP® power inductors; dual composite; designed for class D amplifier circuits; extended temperature range to +155 °C								
 IHLD-2525GG-51 / -5A	0.47	22	4.4	150	2.7 to 15.5	2.7 to 15.5	2525	
 IHLD-3232HB-51 / -5A	5	33	29.2	159.43	2.4 to 6	2.9 to 8.5	3232	
 IHLD-4032KB-51 / -5A	10	33	32.6	107	3.8 to 5.6	3.7 to 7.4	4032	
IHLP® power inductors; coupled composite; designed for SEPIC circuits; extended temperature range to +155 °C								
 IHCL-3232DZ-51 / -5A	0.56	10	8.4	94.8	3.6 to 11.0	3.6 to 12.5	3232	
 IHCL-4040DZ-51 / -5A	2.2	22	17.5	190	2.5 to 8.4	4.75 to 11.0	4040	
 IHCL-5050EZ-51 / -5A	10	33	4.5	155	3.3 to 6.0	7.2 to 8.0	5050	
IHLP® power inductors; composite through-hole; extended temperature range to +155 °C								
 IHTH-0750IZ-51 / -5A	0.47	100	0.52	64	5.0 to 83	5.2 to 44	0750	
 IHTH-1125KZ-51 / -5A	0.47	100	0.30	32.2	8.8 to 125	6.0 to 112	1125	
 IHTH-1500MZ/TZ-51 / -5A	1.0	100	0.26	21.5	12.2 to 135	23.5 to 150	1500	
IHLP® power inductors; vertical mount								
 IHVR-4024KE	0.065	0.10	0.16	0.26	100 to 114	180 to 202	4024	
IHLP® power inductors; composite with improved DCR for multi-phase power suppliers; extended temperature range to +155 °C								
 IHSR-1616AB	0.033	0.068	1.2	3.0	21 to 35	30 to 40	1616	
 IHSR-2525CZ	0.033	0.100	0.25	1.6	30 to 50	40 to 60	2525	
 IHSR-4040DZ	0.090	0.150	0.37	0.64	60 to 95	50 to 90	4040	
 IHSR-5050EZ	0.050	0.180	0.08	0.70	50 to 100	70 to 150	5050	

Note:
 • -A1, -1A, -5A, and -8A part numbers are Vishay Automotive Grade series



POWER INDUCTORS

Focus Products

Ferrite Power Inductors								
Series	Inductance Min. (μ H)	Inductance Max. (μ H)	DCR Min. (m Ω)	DCR Max. (m Ω)	Heat Rated Current Range (A)	Saturation Current Range (A)	Size	
Ferrite power inductors; sealed choke coil								
	IFSC-0806AZ-01	0.47	22	59	2840	0.30 to 2.6	0.43 to 2.85	806
	IFSC-1008AB-01	0.47	22	29	1050	0.50 to 3.7	0.56 to 3.9	1008
	IFSC-1111AZ-01	1	47	76	2275	0.30 to 2.6	0.33 to 2.9	1111
	IFSC-1111AB-01	0.5	22	42	1025	0.60 to 2.8	0.86 to 3.7	1111
	IFSC-1515AH-01	0.56	330	22	5040	0.29 to 5.4	0.26 to 5.6	1515
Ferrite power inductors; magnetic alloy power choke coil								
	IHHP-0806AZ-01	0.22	2.2	19	158	2.0 to 5.2	2.1 to 5.2	806
	IHHP-0806AB-01	0.22	2.2	16	155	1.8 to 5.3	1.9 to 5.8	806
	IHHP-1008AZ-01	22	2.2	9.4	94	1.9 to 5.9	2.6 to 7.0	1008
	IHHP-1008AB-01	0.22	2.2	8.4	79	2.3 to 7.4	2.6 to 7.1	1008
Single-turn power inductors								
	IFLR-2727EZ	0.072	0.15	0.35	0.35	45	30 to 58	2727
	IFLR-4027EZ	0.085	0.22	0.42	0.42	50	33 to 70	4027
	IFLR-4031GC	0.17	0.215	0.29	0.29	61	44 to 60	4031
	IFLR-5151HZ	0.21	0.44	0.35	0.35	50	35 to 71	5151
High current; surface-mount inductors								
	IHSM-3825	1	1000	15	12 970	0.16 to 5.11	0.13 to 4.41	3825
	IHSM-4825	1	1000	13	6900	0.24 to 8.6	0.15 to 4.1	4825
	IHSM-5832	1	4700	10	23 100	0.14 to 9.0	0.10 to 6.2	5832
	IHSM-7832	1	18 000	11	44 100	0.11 to 9.0	0.05 to 5.3	7832
High current; drum core inductors								
	IDC	1	1000	9	13 800	0.07 to 8.6	0.10 to 20	2512, 5020, 7328
	IDCS	1	10 000	21	32 800	0.02 to 5	0.35 to 8	2512, 5020, 7328
	IDCP	1	820	33	1960	0.24 to 3.8	0.24 to 3.8	1813, 2218, 3020 3114, 3722, 3916



Power Inductors Offer **High Temperature** and **High Current** for the Best **Power Solutions**

Advantages of Vishay Magnetics

- High power
- Low profile
- Customized options available

For the Following Applications

- DC/DC converters
- SEPIC converters
- Common mode filters



Using low profile IHLP® inductors in your automotive applications helps you go green



Using low profile IHLP® inductors in your telecommunication applications helps give you the slimmest design

- IHLP® Inductor Loss Calculator
www.vishay.com/inductors/calculator/calculator/

Looking for Something **Else?**

- Vishay is a leader in custom magnetics for high reliability applications such as implantable and external medical devices, instrumentation, aerospace, military, and industrial-qualified devices

Useful Links

**AEC-Q200
QUALIFIED**

**GREEN
(5-2008)**

**HALOGEN
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**AUTOMOTIVE
GRADE**

A **WORLD OF**
SOLUTIONS™