

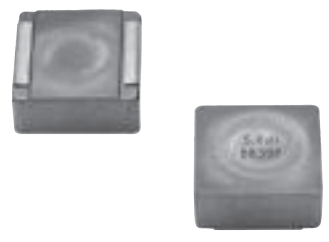
VISHAY / DALE High Current Inductors



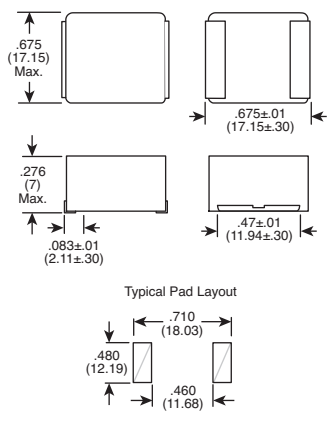
IHLP-6767GZ-01 SERIES

RoHS Compliant This product is RoHS compliant.

- Features:**
- Shielded construction
 - Frequency range up to 2.0 MHz
 - Lowest DCR/ μ H, in this package size
 - Handles high transient current spikes without saturation
 - Saturation and inductance extremely stable over temperature
 - Ultra low buzz noise, due to composite construction
 - Compliant to RoHS directive 2002/95/EC
 - Operating Temperature Range: -55°C to +125°C
 - All test data is referenced to 25°C ambient



DIMENSIONS: in. (mm)



L ₀ Inductance (μ H) \pm 20% at 100 kHz, 0.25 V, 0 A	DCR m Ω Typ. 25°C	DCR m Ω Max. 25°C	Heat Rating Current DC Amps Typ.	Saturation Current DC Amps Typ.
0.22	0.63	0.66	44	129
0.33	0.71	0.75	39	126
0.47	0.84	0.89	37	123
0.56	0.91	0.96	36	88
0.82	1.17	1.23	33	73
1.0	1.28	1.35	32.5	73
1.5	1.78	1.88	30.5	65
1.8	1.96	2.07	30	65
2.2	2.40	2.53	27	62
3.3	3.68	3.88	23.5	54
4.7	4.84	5.11	20	41
5.6	6.68	7.05	17	40
6.8	8.37	8.83	15	32
8.2	10.10	10.66	13.5	25
10.0	11.05	11.66	12.5	25
15.0	18.8	19.9	10	25
22.0	25.1	26.5	9	23

- Applications:**
- Desktop/server applications
 - High current buck and boost converters
 - Low profile, high current power supplies
 - DC/DC converters in distributed power systems
 - High current noise filter



For quantities of 500 and up, call for quote.

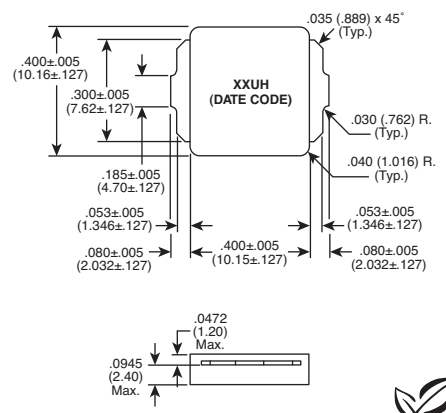
MOUSER STOCK NO.	Vishay Part No.	Inductance (μ H)	Tolerance	Price Each					MOUSER STOCK NO.	Vishay Part No.	Reel Qty.	Price Per Piece
				1	10	50	100	200				
70-IHLP6767GZEBR22M0	IHLP6767GZEBR22M01	.22	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZERR22M0	IHLP6767GZERR22M01	400	2.94
70-IHLP6767GZEBR33M0	IHLP6767GZEBR33M01	.33	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZERR33M0	IHLP6767GZERR33M01	400	2.94
70-IHLP6767GZEBR47M0	IHLP6767GZEBR47M01	.47	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZERR47M0	IHLP6767GZERR47M01	400	2.94
70-IHLP6767GZEBR56M0	IHLP6767GZEBR56M01	.56	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZERR56M0	IHLP6767GZERR56M01	400	2.94
70-IHLP6767GZEBR82M0	IHLP6767GZEBR82M01	.82	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZERR82M0	IHLP6767GZERR82M01	400	2.94
70-IHLP6767GZEB1R0M0	IHLP6767GZEB1R0M01	1.0	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER1R0M0	IHLP6767GZER1R0M01	400	2.94
70-IHLP6767GZEB1R5M0	IHLP6767GZEB1R5M01	1.5	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER1R5M0	IHLP6767GZER1R5M01	400	2.94
70-IHLP6767GZEB1R8M0	IHLP6767GZEB1R8M01	1.8	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER1R8M0	IHLP6767GZER1R8M01	400	2.94
70-IHLP6767GZEB2R2M0	IHLP6767GZEB2R2M01	2.2	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER2R2M0	IHLP6767GZER2R2M01	400	2.94
70-IHLP6767GZEB3R3M0	IHLP6767GZEB3R3M01	3.3	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER3R3M0	IHLP6767GZER3R3M01	400	2.94
70-IHLP6767GZEB4R7M0	IHLP6767GZEB4R7M01	4.7	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER4R7M0	IHLP6767GZER4R7M01	400	2.94
70-IHLP6767GZEB5R6M0	IHLP6767GZEB5R6M01	5.6	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER5R6M0	IHLP6767GZER5R6M01	400	2.94
70-IHLP6767GZEB6R8M0	IHLP6767GZEB6R8M01	6.8	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER6R8M0	IHLP6767GZER6R8M01	400	2.94
70-IHLP6767GZEB8R2M0	IHLP6767GZEB8R2M01	8.2	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER8R2M0	IHLP6767GZER8R2M01	400	2.94
70-IHLP6767GZEB100M0	IHLP6767GZEB100M01	10	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER100M0	IHLP6767GZER100M01	400	2.94
70-IHLP6767GZEB150M0	IHLP6767GZEB150M01	15	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER150M0	IHLP6767GZER150M01	400	2.94
70-IHLP6767GZEB220M0	IHLP6767GZEB220M01	22	20%	6.14	4.98	4.25	4.15	3.06	70-IHLP6767GZER220M0	IHLP6767GZER220M01	400	2.94



IHLW-4040CF-11 SERIES

DIMENSIONS: in. (mm)

- Features:**
- Shielded construction
 - Frequency range up to 1.0 MHz
 - Lowest DCR/ μ H, in this package size
 - Handles high transient current spikes without saturation
 - Ultra low buzz noise, due to composite construction
 - Compliant to RoHS directive 2002/95/EC
 - Operating Temperature Range: -55°C to +125°C
 - All test data is referenced to 25°C ambient



- Applications:**
- PDA/Notebook/Desktop/Server applications
 - High current POL converters
 - Low profile, high current power supplies
 - Battery powered devices
 - DC/DC converters in distributed power systems
 - DC/DC converter for Field Programmable Gate Array (FPGA)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (μ H)	Tolerance	KHz	Price Each			
					1	50	100	500
70-IHLW4040CFERR10M1	IHLW4040CFERR10M11	.10	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR15M1	IHLW4040CFERR15M11	.15	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR22M1	IHLW4040CFERR22M11	.22	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR33M1	IHLW4040CFERR33M11	.33	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR47M1	IHLW4040CFERR47M11	.47	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR56M1	IHLW4040CFERR56M11	.56	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR68M1	IHLW4040CFERR68M11	.68	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFERR82M1	IHLW4040CFERR82M11	.82	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFER1R0M1	IHLW4040CFER1R0M11	1.0	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFER1R5M1	IHLW4040CFER1R5M11	1.5	20%	500	1.08	1.03	.96	.89
70-IHLW4040CFER2R2M1	IHLW4040CFER2R2M11	2.2	20%	500	1.08	1.03	.96	.89

L ₀ Inductance (μ H) \pm 20% at 100 kHz, 0.25 V, 0 A	DCR m Ω Typ. 25°C	DCR m Ω Max. 25°C	Heat Rating Current DC Amps Typ.	Saturation Current DC Amps Typ.
0.10	0.64	0.70	46	48
0.15	0.76	0.82	45	46
0.22	0.83	0.90	35.5	36
0.47	1.60	1.69	31	22
0.56	1.71	1.81	30.5	23
0.68	2.05	2.16	29	20
0.82	2.46	2.60	24	19
1.0	2.67	2.82	24	18
1.5	4.20	4.43	20	14.5
2.2	6.83	7.21	16	14



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