

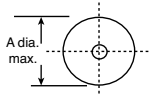
## VISHAY IHD FILTER INDUCTORS-HIGH CURRENT

### Electrical Specifications:

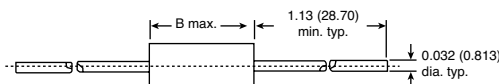
- Inductance: measured at 1V with no DC current
- Operating Temperature: -55°C to +125°C (no Load)
- 55°C to +85°C (at full rated current)
- Tolerance: 15%

### Mechanical Specifications:

- Wire: solid soft copper
- Terminals: 20 AWG tinned copper leads
- Coating: polyolefin tubing
- Core Material: ferrite



Model	A (max.)	B (max.)
IHD-1	0.270 (6.85)	0.7 (17.78)
IHD-3	0.46 (11.68)	0.9 (22.86)



DIMENSIONS: in. (mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR (Ω)	Rated Current (max. Amps)	Price Each			
					1	25	50	100
70-IHD1-5.6	IHD1BH5R6L	5.6	0.024	3.2				
70-IHD1-47	IHD1BH470L	47	0.104	1.6				
70-IHD1-220	IHD1BH221L	220	0.505	0.70				
70-IHD1-330	IHD1BH331L	330	0.650	0.62				
70-IHD1-1K	IHD1BH102L	1K	2.300	0.33				
70-IHD3-220	IHD3BH221L	220	0.162	1.6				
70-IHD3-330	IHD3BH331L	330	0.257	1.6				
70-IHD3-1K	IHD3BH102L	1K	0.844	0.80				
70-IHD3-1.5K	IHD3BH152L	1.5K	1.180	0.60				

## VISHAY IH HIGH CURRENT FILTER INDUCTORS

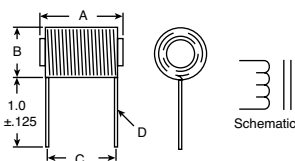
### Features:

- Printed circuit mounting
- Pre-tinned leads
- Protected by polyolefin tubing

### Specifications:

- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Operating temperature: -55°C to +75°C @ rated current

DIMENSIONS: in.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions: in.				Price Each		
					A max.	B max.	C±.062	D±.005	1	10	25
70-IH-3-5	IH03BQ5R0K	5	0.015	10	.875	.60	.50	.042			
70-IH-3-10	IH03BQ100K	10	0.018	9	1.125	.625	.687	.042			
70-IH-3-27	IH03BQ270K	27	0.035	7	.875	.80	.437	.042			
70-IH-3-50	IH03BQ500K	50	0.05	5.6	.875	.80	.75	.042			
70-IH-3-100	IH03BQ101K	100	0.065	5.2	1.125	.80	.937	.042			
70-IH-3-150	IH03BQ151K	150	0.075	5	1.375	.80	1.062	.042			
70-IH-3-250	IH03BQ251K	250	0.09	5	1.625	.80	1.312	.042			
70-IH-5-5	IH05BQ5R0K	5	0.012	14	.875	.625	.75	.053			
70-IH-5-10	IH05BQ100K	10	0.015	12	1.125	.625	1.00	.053			
70-IH-5-50	IH05BQ500K	50	0.03	8	1.125	.84	.75	.053			
70-IH-5-100	IH05BQ101K	100	0.05	7.5	1.375	.86	1.00	.053			
70-IH-10-10	IH10BQ100K	10	0.012	16	1.375	.635	1.218	.065			
70-IH-10-27	IH10BQ270K	27	0.018	12.5	1.125	.935	.687	.065			
70-IH-10-100	IH10BQ101K	100	0.03	10	1.625	.935	1.312	.065			
70-IH-15-27	IH15BQ270K	27	0.015	16	1.375	1.00	.937	.082			

## VISHAY IHA HIGH CURRENT FILTER INDUCTORS

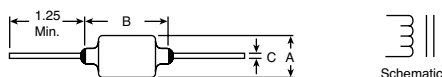
### Features:

- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Designed for use with switching power supplies
- Protected by polyolefin sleeve

### Specifications:

- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Current rating: maximum continuous operating current (DC or RMS) based on 50°C temperature rise
- Operating temperature: -55°C to +75°C @ rated current

DIMENSIONS: in.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions: in.			Price Each		
					A max.	B max.	C±.002	1	10	25
70-IHA-101	IHA101BA	50	0.12	2.5	.475	.80	.032			
70-IHA-102	IHA102BA	100	0.16	2.1	.475	.80	.032			
70-IHA-103	IHA103BA	250	0.28	1.8	.475	1.05	.032			
70-IHA-104	IHA104BA	500	0.42	1.6	.55	1.05	.032			
70-IHA-105	IHA105BA	1000	0.6	1.4	.55	1.175	.032			
70-IHA-201	IHA201BA	27	0.06	3.7	.50	.80	.032			
70-IHA-202	IHA202BA	50	0.085	3.1	.50	.80	.032			
70-IHA-203	IHA203BA	100	0.12	2.7	.50	.92	.032			
70-IHA-204	IHA204BA	250	0.2	2.4	.60	.92	.032			
70-IHA-205	IHA205BA	500	0.32	2.3	.75	1.05	.032			
70-IHA-301	IHA301BA	5	0.015	6.8	.475	.80	.032			
70-IHA-302	IHA302BA	10	0.021	6.1	.475	.92	.032			
70-IHA-303	IHA303BA	27	0.04	4.8	.55	.80	.032			
70-IHA-304	IHA304BA	50	0.05	4.3	.55	.92	.032			
70-IHA-305	IHA305BA	100	0.07	4.2	.55	1.175	.032			
70-IHA-502	IHA502BA	10	0.015	8.3	.475	1.05	.04			
70-IHA-505	IHA505BA	100	0.06	5.9	.70	1.3	.04			

## VISHAY IMS-5 INDUCTORS - MOLDED, SHIELDED TYPE LT AND COMMERCIAL

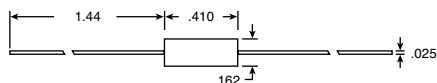
### Specifications:

- Meets MIL spec.: MIL-C-15305
- Insulation resistance: 1000MΩ
- Dielectric strength: 1000VAC
- Operating temperature range: -55°C to +105°C
- Tolerance: ±10%

### Features:

- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

DIMENSIONS: in.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	L (μH)	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. Ohms	I <sub>dc</sub> Max (mA)	Price Each		
								1	10	25
70-IMS5-1.0	IMS05BH1R0K	1.0	44	25.0	140.0	.07	1070			
70-IMS5-2.2	IMS05BH2R2K	2.2	44	7.9	100.0	.19	650			
70-IMS5-3.3	IMS05BH3R3K	3.3	44	7.9	85.0	.35	480			
70-IMS5-4.7	IMS05BH4R7K	4.7	44	7.9	70.0	.55	380			
70-IMS5-10	IMS05BH100K	10.0	50	7.9	46.0	1.62	220			
70-IMS5-15	IMS05BH150K	15.0	45	2.5	49.0	.80	315			
70-IMS5-18	IMS05BH180K	18.0	45	2.5	45.0	.89	300			
70-IMS5-22	IMS05BH220K	22.0	45	2.5	41.0	.96	290			
70-IMS5-27	IMS05BH270K	27.0	45	2.5	38.0	1.19	260			
70-IMS5-33	IMS05BH330K	33.0	45	2.5	34.0	1.37	240			
70-IMS5-39	IMS05BH390K	39.0	50	2.5	29.0	1.93	205			
70-IMS5-47	IMS05BH470K	47.0	50	2.5	27.0	2.11	195			
70-IMS5-56	IMS05BH560K	56.0	50	2.5	25.0	2.23	190			
70-IMS5-100	IMS05BH101K	100.0	50	2.5	10.0	3.12	160			
70-IMS5-150	IMS05BH151K	150.0	55	.8	8.5	4.10	140			
70-IMS5-220	IMS05BH221K	220.0	55	.8	7.5	5.00	125			
70-IMS5-470	IMS05BH471K	470.0	60	.8	5.7	9.50	92			
70-IMS5-1000	IMS05BH102K	1000.0	60	.8	3.8	17.50	70			
70-IMS5-2200	IMS05BH222K	2200.0	45	.3	1.0	33.80	50			
70-IMS5-3300	IMS05BH332K	3300.0	45	.3	.8	53.00	40			
70-IMS5-4700	IMS05BH472K	4700.0	45	.3	.7	81.60	31			
70-IMS5-5600	IMS05BH562K	5600.0	44	.3	.7	98.90	28			
70-IMS5-6800	IMS05BH682K	6800.0	40	.3	.7	111.00	27			