



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Filter Inductors, High Current, Radial Leaded



ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1.0 V with zero DC current

Incremental Current: The typical current at which the inductance will be decreased by 5 % from its initial zero DC value

Operating Temperature: -55 °C to +125 °C (no load),
-55 °C to +75 °C (at full rated current)

FEATURES

- Printed circuit mounting
- Pre-tinned leads
- Protected by polyolefin tubing - flame retardant UL type VW-1 per MIL-I-23053/5, class 3 requirements
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT

APPLICATIONS

Noise filtering for switching regulators, power amplifiers, power supplies and SCR and Triac control circuits

Current Rating: Maximum continuous operating current (DC or RMS) based on a 50 °C temperature rise

MECHANICAL SPECIFICATIONS

Wire: Solid soft copper

Terminals: Extensions of the winding

Core Material: Ferrite

Coating: Polyolefin tubing

DIMENSIONS in inches [millimeters]					
MODEL	IND. (μH)	A (MAX.)	B (MAX.)	C ± 0.062 [± 1.57]	D ± 0.005 [± 0.127]
IH-3	5	0.875 [22.23]	0.600 [15.24]	0.500 [12.70]	0.042 [1.067]
IH-3	10	1.125 [28.58]	0.625 [15.88]	0.687 [17.45]	0.042 [1.067]
IH-3	27	0.875 [22.23]	0.800 [20.32]	0.437 [11.10]	0.042 [1.067]
IH-3	50	0.875 [22.23]	0.800 [20.32]	0.750 [19.05]	0.042 [1.067]
IH-3	100	1.125 [28.58]	0.800 [20.32]	0.937 [23.80]	0.042 [1.067]
IH-3	150	1.375 [34.93]	0.800 [20.32]	1.062 [26.97]	0.042 [1.067]
IH-3	250	1.625 [41.28]	0.800 [20.32]	1.312 [33.32]	0.042 [1.067]
IH-5	5	0.875 [22.23]	0.625 [15.88]	0.750 [19.05]	0.053 [1.35]
IH-5	10	1.125 [28.58]	0.625 [15.88]	1.000 [25.40]	0.053 [1.35]
IH-5	27	0.875 [22.23]	0.840 [21.34]	0.562 [14.27]	0.053 [1.35]
IH-5	50	1.125 [28.58]	0.840 [21.34]	0.750 [19.05]	0.053 [1.35]
IH-5	68	1.125 [28.58]	0.860 [21.84]	0.875 [22.23]	0.053 [1.35]
IH-5	100	1.375 [34.93]	0.860 [21.84]	1.000 [25.40]	0.053 [1.35]
IH-5	150	1.625 [41.28]	0.860 [21.84]	1.250 [31.75]	0.053 [1.35]
IH-10	5	1.125 [28.58]	0.635 [16.13]	0.812 [20.62]	0.065 [1.65]
IH-10	10	1.375 [34.93]	0.635 [16.13]	1.218 [30.94]	0.065 [1.65]
IH-10	27	1.125 [28.58]	0.935 [23.75]	0.687 [17.45]	0.065 [1.65]
IH-10	50	1.375 [34.93]	0.935 [23.75]	0.937 [23.80]	0.065 [1.65]
IH-10	68	1.375 [34.93]	0.935 [23.75]	1.125 [28.58]	0.065 [1.65]
IH-10	100	1.625 [41.28]	0.935 [23.75]	1.312 [33.32]	0.065 [1.65]
IH-15	5	1.375 [34.93]	0.700 [17.78]	0.937 [23.80]	0.082 [2.08]
IH-15	10	1.687 [42.85]	0.700 [17.78]	1.500 [38.10]	0.082 [2.08]
IH-15	27	1.375 [34.93]	1.000 [25.40]	0.937 [23.80]	0.082 [2.08]
IH-15	50	1.625 [41.28]	1.000 [25.40]	1.125 [28.58]	0.082 [2.08]



STANDARD ELECTRICAL SPECIFICATIONS					
MODEL	IND. AT 1 kHz (μH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)	INCREMENTAL CURRENT (mA)
IH-3	5	± 10	0.015	10 000	25 000
IH-3	10	± 10	0.018	9000	19 000
IH-3	27	± 10	0.035	7000	12 000
IH-3	50	± 10	0.050	5600	8000
IH-3	100	± 10	0.065	5200	6000
IH-3	150	± 10	0.075	5000	5000
IH-3	250	± 10	0.090	5000	4000
IH-5	5	± 10	0.012	14 000	25 000
IH-5	10	± 10	0.015	12 000	19 000
IH-5	27	± 10	0.025	9000	13 000
IH-5	50	± 10	0.030	8000	10 000
IH-5	68	± 10	0.035	7500	9000
IH-5	100	± 10	0.050	7500	7000
IH-5	150	± 10	0.060	7000	5000
IH-10	5	± 10	0.010	19 000	25 000
IH-10	10	± 10	0.012	16 000	19 000
IH-10	27	± 10	0.018	12 500	12 000
IH-10	50	± 10	0.025	11 000	10 000
IH-10	68	± 10	0.027	10 000	8000
IH-10	100	± 10	0.030	10 000	7000
IH-15	5	± 10	0.008	24 000	25 000
IH-15	10	± 10	0.010	20 000	19 000
IH-15	27	± 10	0.015	16 000	14 000
IH-15	50	± 10	0.020	15 000	10 000

MARKING
<ul style="list-style-type: none"> - Vishay Dale - Model - Inductance value - Date code

ORDERING INFORMATION				
IH-5	10 μH	± 10 %	EB	e2
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER													
<table border="1"> <tr><td>I</td><td>H</td><td>0</td><td>5</td></tr> </table> <p>MODEL</p>	I	H	0	5	<table border="1"> <tr><td>E</td><td>B</td></tr> </table> <p>PACKAGE CODE</p>	E	B	<table border="1"> <tr><td>1</td><td>0</td><td>0</td></tr> </table> <p>INDUCTANCE VALUE</p>	1	0	0	<table border="1"> <tr><td>K</td></tr> </table> <p>INDUCTANCE TOLERANCE</p>	K
I	H	0	5										
E	B												
1	0	0											
K													



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