Vishay Dale



Filter Inductors, High Current, Radial Leaded



ELECTRICAL SPECIFICATIONS

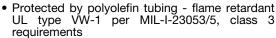
Inductance: Measured at 1.0 V with zero DC current **Incremental Current:** The typical current at which the inductance will be decreased by 5 % from its initial zero DC value

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



S 3 RoHS

• Compliant to RoHS Directive 2002/95/EC

APPLICATIONS

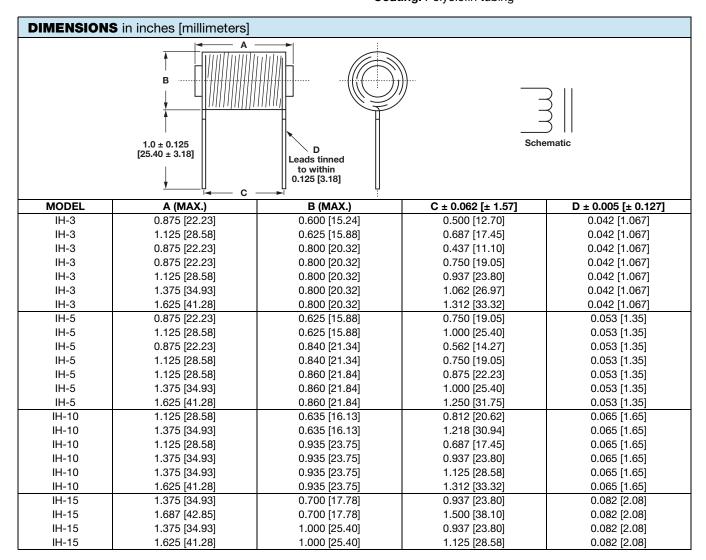
Noise filtering for switching regulators, power amplifiers, power supplies and SCR and Triac control circuits **Current Rating:** Maximum continuous operating current (DC or RMS) based on a 50 °C temperature rise

MECHANICAL SPECIFICATIONS

Wire: Solid soft copper

Terminals: Extensions of the winding

Core Material: Ferrite
Coating: Polyolefin tubing



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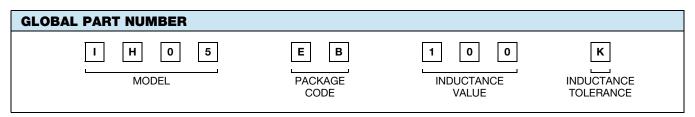


STANDARD ELECTRICAL SPECIFICATIONS							
	IND. AT 1 kHz	TOL.	DCR MAX.	RATED DC CURRENT	INCREMENTAL CURRENT		
MODEL	(μH)	(%)	(Ω)	(mA)	(mA)		
IH-3	5	± 10	0.015	10 000	25 000		
IH-3	10	± 10	0.018	9000	19 000		
IH-3	27	± 10	0.035	7000	12 000		
IH-3	50	± 10	0.050	5600	8000		
IH-3	100	± 10	0.065	5200	6000		
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

- Vishay Dale
- Model
- Inductance value
- Date code

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





Legal Disclaimer Notice

Vishay

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Mouser Electronics

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<u>IH05BQ680K IH03BQ500K IH05BQ500K IH03BQ270K IH15BQ5R0K IH05BQ151K IH03BQ101K IH03BQ101K IH03BQ101K IH10BQ100K IH15BQ270K IH10BQ270K IH03BQ251K IH10EB101K IH10EB680K IH10BQ680K IH15BQ100K IH10BQ101K IH03BQ5R0K IH05BQ101K IH05BQ500K IH05BQ5R0K IH05BQ100K</u>