

## 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),

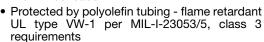
-55 °C to +75 °C (at full rated current)

IH15EB500K

50

#### **FEATURES**

- · Printed circuit mounting
- Pre-tinned leads



RoHS COMPLIANT

 Material categorization: for definitions of compliance please see <a href="https://www.vishav.com/doc?99912"><u>www.vishav.com/doc?99912</u></a>

#### **APPLICATIONS**

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

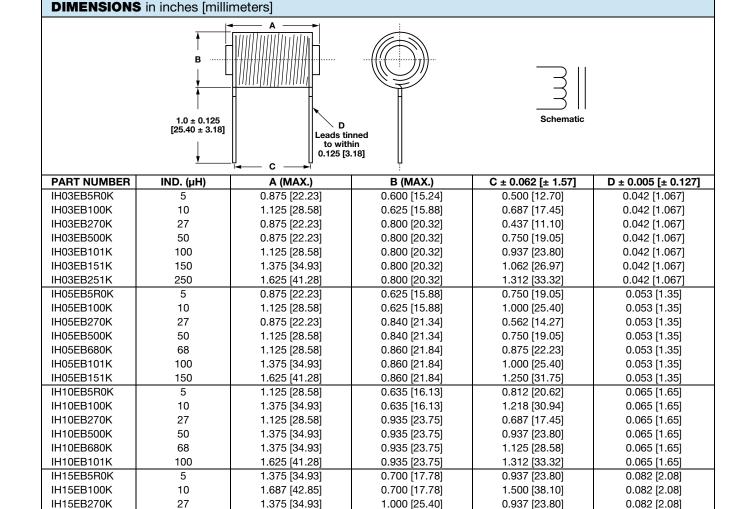
Current Rating: Maximum continuous operating current (DC or RMS) based on a 50 °C temperature rise

#### **MECHANICAL SPECIFICATIONS**

Wire: Solid soft copper

Terminals: Extensions of the winding

Core Material: Ferrite
Coating: Polyolefin tubing



1.000 [25.40]

1.125 [28.58]

0.082 [2.08]

1.625 [41.28]





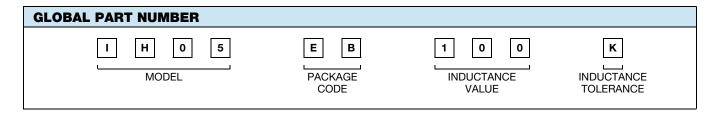
# Vishay Dale

STANDARD ELECTRICAL SPECIFICATIONS						
PART NUMBER	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)	INCREMENTAL CURRENT (mA)	
IH03EB5R0K	5	± 10	0.015	10 000	25 000	
IH03EB100K	10	± 10	0.018	9000	19 000	
IH03EB270K	27	± 10	0.035	7000	12 000	
IH03EB500K	50	± 10	0.050	5600	8000	
IH03EB101K	100	± 10	0.065	5200	6000	
IH03EB151K	150	± 10	0.075	5000	5000	
IH03EB251K	250	± 10	0.090	5000	4000	
IH05EB5R0K	5	± 10	0.012	14 000	25 000	
IH05EB100K	10	± 10	0.015	12 000	19 000	
IH05EB270K	27	± 10	0.025	9000	13 000	
IH05EB500K	50	± 10	0.030	8000	10 000	
IH05EB680K	68	± 10	0.035	7500	9000	
IH05EB101K	100	± 10	0.050	7500	7000	
IH05EB151K	150	± 10	0.060	7000	5000	
IH10EB5R0K	5	± 10	0.010	19 000	25 000	
IH10EB100K	10	± 10	0.012	16 000	19 000	
IH10EB270K	27	± 10	0.018	12 500	12 000	
IH10EB500K	50	± 10	0.025	11 000	10 000	
IH10EB680K	68	± 10	0.027	10 000	8000	
IH10EB101K	100	± 10	0.030	10 000	7000	
IH15EB5R0K	5	± 10	0.008	24 000	25 000	
IH15EB100K	10	± 10	0.010	20 000	19 000	
IH15EB270K	27	± 10	0.015	16 000	14 000	
IH15EB500K	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				





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Vishay

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