Filter Inductors, High Current, Axial Leaded



FEATURES

- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Low cost construction
- Protected by polyolefin tubing - flame retardant UL type VW-1 per MIL-I-23053/8, class 3 requirements
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

Pb-free

RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS

Inductance: measured at 1.0 V with zero DC current

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

Dielectric Rating: 2500 V_{RMS}, 60 Hz, applied for one minute between winding and outer circumference to within 0.250" [6.35 mm] of the insulation sleeve edge

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

APPLICATIONS

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

MECHANICAL SPECIFICATIONS

Winding: layered solenoid type

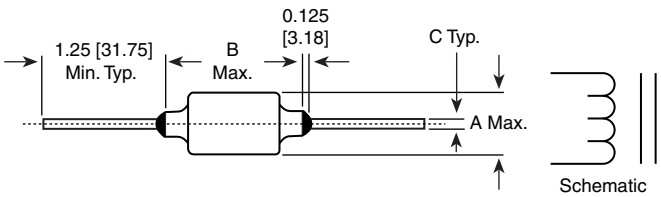
Wire: solid soft copper

Terminals: tinned copper leads

Encapsulant: polyolefin tubing

Core Material: ferrite

DIMENSIONS in inches [millimeters]



PART NUMBER	A (MAX.)	B (MAX.)	C ± 0.002 [0.050]
IHA101EB	0.475 [12.07]	0.800 [20.32]	0.032 [0.813]
IHA102EB	0.475 [12.07]	0.800 [20.32]	0.032 [0.813]
IHA103EB	0.475 [12.07]	1.050 [26.67]	0.032 [0.813]
IHA104EB	0.550 [13.97]	1.050 [26.67]	0.032 [0.813]
IHA105EB	0.550 [13.97]	1.175 [29.85]	0.032 [0.813]
IHA201EB	0.500 [12.70]	0.800 [20.32]	0.032 [0.813]
IHA202EB	0.500 [12.70]	0.800 [20.32]	0.032 [0.813]
IHA203EB	0.500 [12.70]	0.920 [23.37]	0.032 [0.813]
IHA204EB	0.600 [15.24]	0.920 [23.37]	0.032 [0.813]
IHA205EB	0.750 [19.05]	1.050 [26.67]	0.032 [0.813]
IHA301EB	0.475 [12.07]	0.800 [20.32]	0.032 [0.813]
IHA302EB	0.475 [12.07]	0.920 [23.37]	0.032 [0.813]
IHA303EB	0.550 [13.97]	0.800 [20.32]	0.032 [0.813]
IHA304EB	0.550 [13.97]	0.920 [23.37]	0.032 [0.813]
IHA305EB	0.550 [13.97]	1.175 [29.85]	0.032 [0.813]
IHA501EB	0.475 [12.07]	1.050 [26.67]	0.040 [1.02]
IHA502EB	0.475 [12.07]	1.050 [26.67]	0.040 [1.02]
IHA503EB	0.700 [17.78]	1.050 [26.67]	0.040 [1.02]
IHA504EB	0.700 [17.78]	1.050 [26.67]	0.040 [1.02]
IHA505EB	0.700 [17.78]	1.300 [33.02]	0.040 [1.02]

For technical questions, contact: magnetics@vishay.com

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STANDARD ELECTRICAL SPECIFICATIONS

PART NUMBER	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
IHA101EB	50	± 10 %	0.120	2500
IHA102EB	100	± 10 %	0.160	2100
IHA103EB	250	± 10 %	0.280	1800
IHA104EB	500	± 10 %	0.420	1600
IHA105EB	1000	± 10 %	0.600	1400
IHA201EB	27	± 10 %	0.060	3700
IHA202EB	50	± 10 %	0.085	3100
IHA203EB	100	± 10 %	0.120	2700
IHA204EB	250	± 10 %	0.200	2400
IHA205EB	500	± 10 %	0.320	2300
IHA301EB	5	± 10 %	0.015	6800
IHA302EB	10	± 10 %	0.021	6100
IHA303EB	27	± 10 %	0.040	4800
IHA304EB	50	± 10 %	0.050	4300
IHA305EB	100	± 10 %	0.070	4200
IHA501EB	5	± 10 %	0.010	9300
IHA502EB	10	± 10 %	0.015	8300
IHA503EB	27	± 10 %	0.030	6500
IHA504EB	50	± 10 %	0.040	6100
IHA505EB	100	± 10 %	0.060	5900

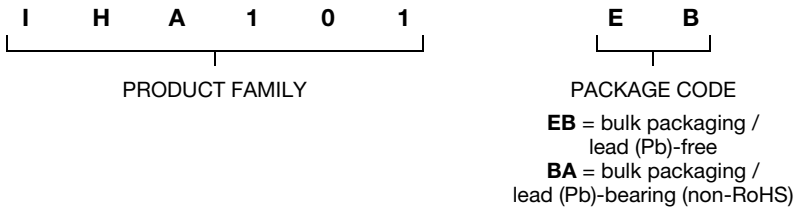
MARKING

- Vishay Dale
- Model
- Date code

ORDERING INFORMATION

IHA101	**50 µH**	**± 10 %**	**EB**	**e2**
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER



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