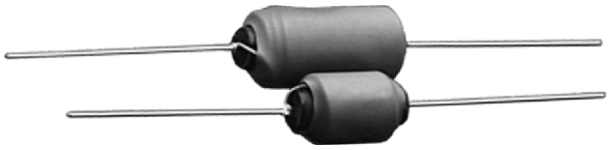
Filter Inductors, High Current, Axial Leaded



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

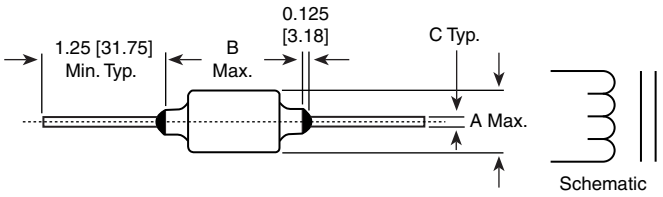
Wire: Solid soft copper

Terminals: Tinned copper leads

Encapsulant: Polyolefin tubing

Core Material: Ferrite

DIMENSIONS in inches [millimeters]



MODEL	A (MAX.)	B (MAX.)	C ± 0.002 [0.050]
IHA-101	0.475 [12.07]	0.800 [20.32]	0.032 [0.813]
IHA-102	0.475 [12.07]	0.800 [20.32]	0.032 [0.813]
IHA-103	0.475 [12.07]	1.050 [26.67]	0.032 [0.813]
IHA-104	0.550 [13.97]	1.050 [26.67]	0.032 [0.813]
IHA-105	0.550 [13.97]	1.175 [29.85]	0.032 [0.813]
IHA-201	0.500 [12.70]	0.800 [20.32]	0.032 [0.813]
IHA-202	0.500 [12.70]	0.800 [20.32]	0.032 [0.813]
IHA-203	0.500 [12.70]	0.920 [23.37]	0.032 [0.813]
IHA-204	0.600 [15.24]	0.920 [23.37]	0.032 [0.813]
IHA-205	0.750 [19.05]	1.050 [26.67]	0.032 [0.813]
IHA-301	0.475 [12.07]	0.800 [20.32]	0.032 [0.813]
IHA-302	0.475 [12.07]	0.920 [23.37]	0.032 [0.813]
IHA-303	0.550 [13.97]	0.800 [20.32]	0.032 [0.813]
IHA-304	0.550 [13.97]	0.920 [23.37]	0.032 [0.813]
IHA-305	0.550 [13.97]	1.175 [29.85]	0.032 [0.813]
IHA-501	0.475 [12.07]	1.050 [26.67]	0.040 [1.02]
IHA-502	0.475 [12.07]	1.050 [26.67]	0.040 [1.02]
IHA-503	0.700 [17.78]	1.050 [26.67]	0.040 [1.02]
IHA-504	0.700 [17.78]	1.050 [26.67]	0.040 [1.02]
IHA-505	0.700 [17.78]	1.300 [33.02]	0.040 [1.02]

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
IHA-101	50	± 10 %	0.120	2500
IHA-102	100	± 10 %	0.160	2100
IHA-103	250	± 10 %	0.280	1800
IHA-104	500	± 10 %	0.420	1600
IHA-105	1000	± 10 %	0.600	1400

For technical questions, contact: magnetics@vishay.com

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STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. AT 1 kHz (µH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
IHA-201	27	± 10 %	0.060	3700
IHA-202	50	± 10 %	0.085	3100
IHA-203	100	± 10 %	0.120	2700
IHA-204	250	± 10 %	0.200	2400
IHA-205	500	± 10 %	0.320	2300
IHA-301	5	± 10 %	0.015	6800
IHA-302	10	± 10 %	0.021	6100
IHA-303	27	± 10 %	0.040	4800
IHA-304	50	± 10 %	0.050	4300
IHA-305	100	± 10 %	0.070	4200
IHA-501	5	± 10 %	0.010	9300
IHA-502	10	± 10 %	0.015	8300
IHA-503	27	± 10 %	0.030	6500
IHA-504	50	± 10 %	0.040	6100
IHA-505	100	± 10 %	0.060	5900

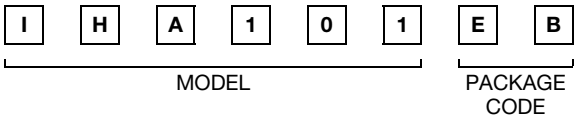
MARKING

- Vishay Dale
- Model
- Date code

ORDERING INFORMATION

IHA-101	**50 µH**	**± 10 %**	**EB**	**e2**
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER



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