

Filter Inductors, High Current, Axial Leaded



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)

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

RoHS

APPLICATIONS

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

MECHANICAL SPECIFICATIONS

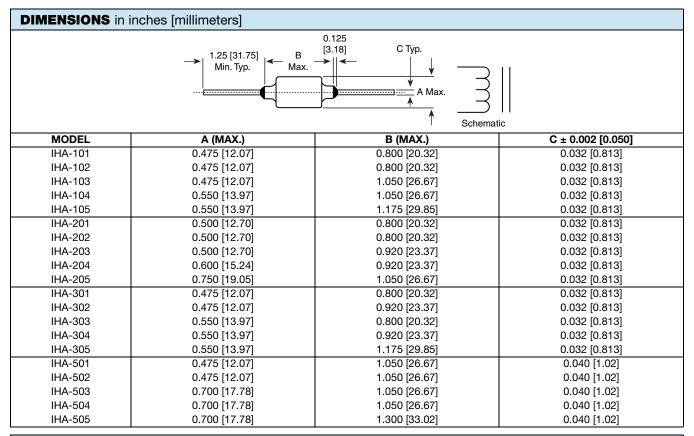
please see www.vishay.com/doc?99912

Winding: Layered solenoid type

Wire: Solid soft copper

Terminals: Tinned copper leads **Encapsulant:** Polyolefin tubing

Core Material: Ferrite



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			





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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

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

GLOBAL PART NUMBER								
	1	Н	MO	1 DEL	0	1	KAGE ODE	



Legal Disclaimer Notice

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Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

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Revision: 02-Oct-12 Document Number: 91000