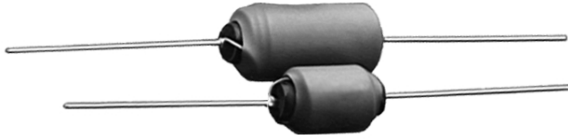


Filter Inductors

High 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-23053/5, Class 3 requirements.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. @ 1kHz (μH)	TOL.	DCR MAX. (Ohms)	RATED CURRENT (Max. Amps)
IHA-101	50	± 10%	0.12	2.5
IHA-102	100	± 10%	0.16	2.1
IHA-103	250	± 10%	0.28	1.8
IHA-104	500	± 10%	0.42	1.6
IHA-105	1000	± 10%	0.60	1.4
IHA-201	27	± 10%	0.060	3.7
IHA-202	50	± 10%	0.085	3.1
IHA-203	100	± 10%	0.12	2.7
IHA-204	250	± 10%	0.20	2.4
IHA-205	500	± 10%	0.32	2.3
IHA-301	5	± 10%	0.015	6.8
IHA-302	10	± 10%	0.021	6.1
IHA-303	27	± 10%	0.040	4.8
IHA-304	50	± 10%	0.050	4.3
IHA-305	100	± 10%	0.070	4.2
IHA-501	5	± 10%	0.010	9.3
IHA-502	10	± 10%	0.015	8.3
IHA-503	27	± 10%	0.030	6.5
IHA-504	50	± 10%	0.040	6.1
IHA-505	100	± 10%	0.060	5.9

ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1V with no DC current.

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

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

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

MECHANICAL SPECIFICATIONS

Winding: Layered solenoid type.

Wire: Solid soft copper.

Terminals: Tinned copper leads.

Encapsulant: Polyolefin tubing.

Core Material: Ferrite.

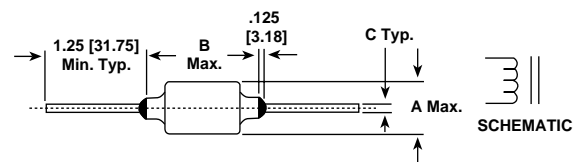
APPLICATIONS

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

MARKING

- Vishay Dale
- Model
- Date code

DIMENSIONS in inches [millimeters]



MODEL	A (Max.)	B (Max.)	± 0.002 [0.050] C
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]	1.05 [26.67]	0.032 [0.813]
IHA-104	0.550 [13.97]	1.05 [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]	1.05 [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]	1.05 [26.67]	0.040 [1.02]
IHA-502	0.475 [12.07]	1.05 [26.67]	0.040 [1.02]
IHA-503	0.700 [17.78]	1.05 [26.67]	0.040 [1.02]
IHA-504	0.700 [17.78]	1.05 [26.67]	0.040 [1.02]
IHA-505	0.700 [17.78]	1.30 [33.02]	0.040 [1.02]

ORDERING INFORMATION

IHA-101	50μH	± 10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE