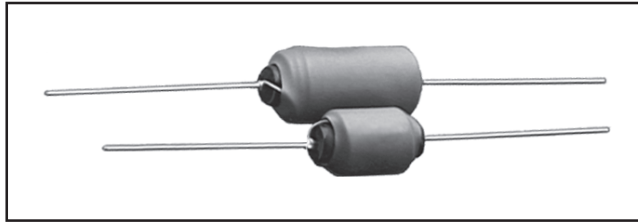




Filter Inductors

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 (μ H)	TOL.	DCR MAX. (Ohms)	RATED CURRENT (Max. Amps)
IHA-101	50	$\pm 10\%$	.12	2.5
IHA-102	100	$\pm 10\%$	.16	2.1
IHA-103	250	$\pm 10\%$	.28	1.8
IHA-104	500	$\pm 10\%$	.42	1.6
IHA-105	1000	$\pm 10\%$	.60	1.4
IHA-201	27	$\pm 10\%$	.060	3.7
IHA-202	50	$\pm 10\%$	.085	3.1
IHA-203	100	$\pm 10\%$	.12	2.7
IHA-204	250	$\pm 10\%$	.20	2.4
IHA-205	500	$\pm 10\%$	.32	2.3
IHA-301	5	$\pm 10\%$	.015	6.8
IHA-302	10	$\pm 10\%$	.021	6.1
IHA-303	27	$\pm 10\%$	.040	4.8
IHA-304	50	$\pm 10\%$	.050	4.3
IHA-305	100	$\pm 10\%$	.070	4.2
IHA-501	5	$\pm 10\%$	.010	9.3
IHA-502	10	$\pm 10\%$	.015	8.3
IHA-503	27	$\pm 10\%$	.030	6.5
IHA-504	50	$\pm 10\%$	.040	6.1
IHA-505	100	$\pm 10\%$	.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: 2500V RMS, 60Hz, applied for one minute between winding and outer circumference to within .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.

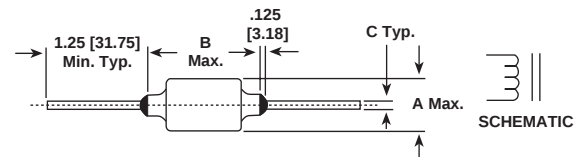
Core Material: Ferrite.

APPLICATIONS

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

DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]



MODEL	A (Max.)	B (Max.)	C $\pm .002$ [.050]
IHA-101	.475 [12.07]	.800 [20.32]	.032 [.813]
IHA-102	.475 [12.07]	.800 [20.32]	.032 [.813]
IHA-103	.475 [12.07]	1.05 [26.67]	.032 [.813]
IHA-104	.550 [13.97]	1.05 [26.67]	.032 [.813]
IHA-105	.550 [13.97]	1.175 [29.85]	.032 [.813]
IHA-201	.500 [12.70]	.800 [20.32]	.032 [.813]
IHA-202	.500 [12.70]	.800 [20.32]	.032 [.813]
IHA-203	.500 [12.70]	.920 [23.37]	.032 [.813]
IHA-204	.600 [15.24]	.920 [23.37]	.032 [.813]
IHA-205	.750 [19.05]	1.05 [26.67]	.032 [.813]
IHA-301	.475 [12.07]	.800 [20.32]	.032 [.813]
IHA-302	.475 [12.07]	.920 [23.37]	.032 [.813]
IHA-303	.550 [13.97]	.800 [20.32]	.032 [.813]
IHA-304	.550 [13.97]	.920 [23.37]	.032 [.813]
IHA-305	.550 [13.97]	1.175 [29.85]	.032 [.813]
IHA-501	.475 [12.07]	1.05 [26.67]	.040 [1.02]
IHA-502	.475 [12.07]	1.05 [26.67]	.040 [1.02]
IHA-503	.700 [17.78]	1.05 [26.67]	.040 [1.02]
IHA-504	.700 [17.78]	1.05 [26.67]	.040 [1.02]
IHA-505	.700 [17.78]	1.30 [33.02]	.040 [1.02]

PART MARKING

— Vishay Dale
— Model
— Date code

HOW TO ORDER

IHA-101	50 μ H	$\pm 10\%$
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE