

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





RoHS

APPLICATIONS

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

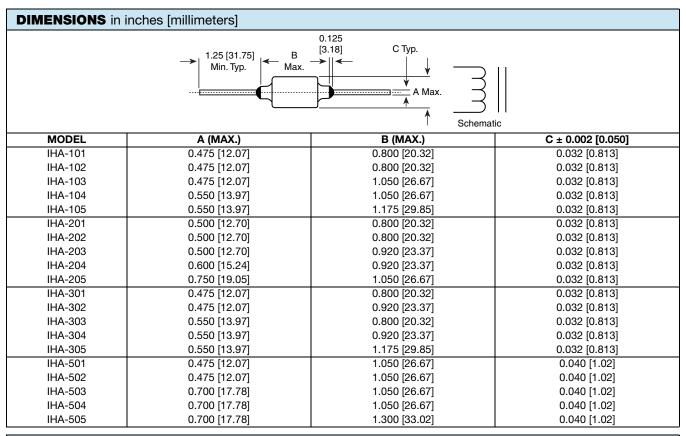
MECHANICAL SPECIFICATIONS

Winding: Layered solenoid type

Wire: Solid soft copper

Terminals: Tinned copper leads Encapsulant: Polyolefin tubing

Core Material: Ferrite



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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Vishay Dale

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						
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