

Filter Inductors, High Current, Axial Leaded



FEATURES

- · Printed circuit mounting (axial leads)
- Pre-tinned leads
- Low cost construction



RoHS

- 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

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

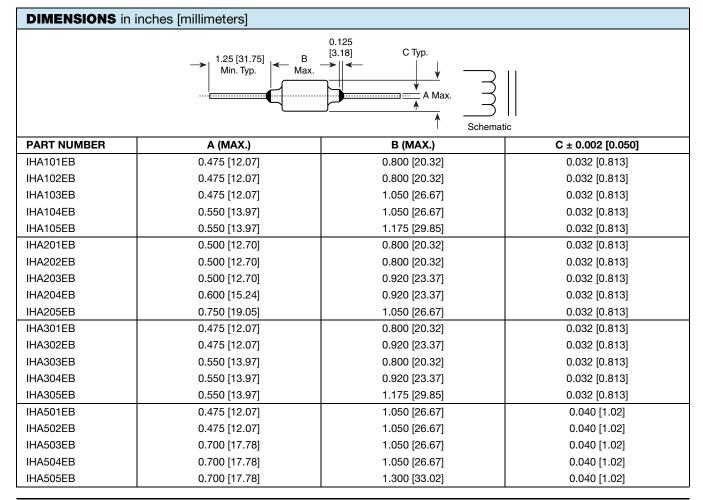
MECHANICAL SPECIFICATIONS

Winding: layered solenoid type

Wire: solid soft copper

Terminals: tinned copper leads **Encapsulant:** polyolefin tubing

Core Material: ferrite



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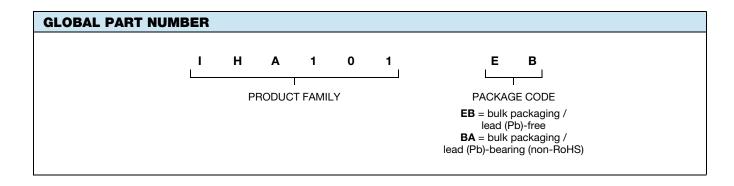
Vishay Dale

STANDARD ELECTRICAL SPECIFICATIONS						
PART NUMBER	IND. AT 1 kHz (μH)	TOL. (%)	DCR MAX. (Ω)	RATED DC CURRENT (mA)		
IHA101EB	50	± 10 %	0.120	2500		
IHA102EB	100	± 10 %	0.160	2100		
IHA103EB	250	± 10 %	0.280	1800		
IHA104EB	500	± 10 %	0.420	1600		
IHA105EB	1000	± 10 %	0.600	1400		
IHA201EB	27	± 10 %	0.060	3700		
IHA202EB	50	± 10 %	0.085	3100		
IHA203EB	100	± 10 %	0.120	2700		
IHA204EB	250	± 10 %	0.200	2400		
IHA205EB	500	± 10 %	0.320	2300		
IHA301EB	5	± 10 %	0.015	6800		
IHA302EB	10	± 10 %	0.021	6100		
IHA303EB	27	± 10 %	0.040	4800		
IHA304EB	50	± 10 %	0.050	4300		
IHA305EB	100	± 10 %	0.070	4200		
IHA501EB	5	± 10 %	0.010	9300		
IHA502EB	10	± 10 %	0.015	8300		
IHA503EB	27	± 10 %	0.030	6500		
IHA504EB	50	± 10 %	0.040	6100		
IHA505EB	100	± 10 %	0.060	5900		

MARKING

- Vishay Dale
- Model
- Date code

ORDERING INFORMATION							
IHA101	50 μH	± 10 %	ЕВ	e2			
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD			







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