

# **IHV30EB150 Datasheet**



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DiGi Electronics Part Number IHV30EB150-DG

Manufacturer Vishay Dale

Manufacturer Product Number IHV30EB150

Description FIXED IND 150UH 30A 13 MOHM TH

Detailed Description 150 μH Unshielded Inductor 30 A 13mOhm Max Ra

dial, Horizontal Cylinder



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

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# **Purchase and inquiry**

Manufacturer Product Number:	Manufacturer:
IHV30EB150	Vishay Dale
Series:	
II IV	





www.vishay.com

Vishay Dale

# Filter Inductors, High Current, Radial Leaded



#### **ELECTRICAL SPECIFICATIONS**

Inductance: measured at 1.0 V with no DC current

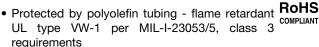
Incremental current: 2500 V<sub>RMS</sub> between winding and outer circumference to within 0.250" [6.35 mm] of the insulation sleeve edge

Operating temperature: -55 °C to +125 °C (no load),

-55 °C to +75 °C (at full rated current) Maximum usable frequency: 20 kHz

#### **FEATURES**

- Printed circuit mounting
- Pre-tinned leads



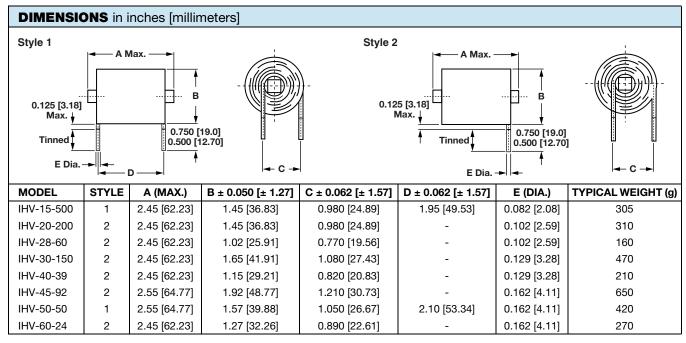
Material categorization: for definitions of compliance



# please see www.vishay.com/doc?99912 **MECHANICAL SPECIFICATIONS**

Terminals: extensions of the winding, solder coated

Core material: iron laminations Encapsulant: polyolefin tubing



STANDARD ELECTRICAL SPECIFICATIONS					
MODEL	IND. AT 1 kHz (μH) <sup>(1)</sup>	TOL. (%)	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
IHV-15-500	500	± 10	0.8	0.0500	15 000
IHV-20-200	200	± 10	1.2	0.0210	20 000
IHV-28-60	60	± 10	1.9	0.0085	28 000
IHV-30-150	150	± 10	2.1	0.0130	30 000
IHV-40-39	39	± 10	2.5	0.0048	40 000
IHV-45-92	92	± 10	2.9	0.0075	45 000
IHV-50-50	50	± 10	3.1	0.0045	50 000
IHV-60-24	24	± 10	5.7	0.0025	60 000

#### Note

<sup>(1)</sup> Will not change more than ± 10 % at rated current



**IHV** 

Vishay Dale www.vishay.com

MARKING		
- Vishay Dale		
- Model		
- Date code		

ORDEF	RING INFORMATION			
IHV-15	500 μH	± 10 %	ЕВ	e2
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER		
I H V 1 5	ЕВ	5 0 0
MODEL	PACKAGE CODE	INDUCTANCE VALUE

#### Note

• See the end of this data book for conversion tables



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