

## Filter Inductors, High Current, Radial Leaded



#### **ELECTRICAL SPECIFICATIONS**

Inductance: measured at 1.0 V with no DC current

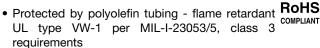
Incremental current: 2500 V<sub>RMS</sub> between winding and outer circumference to within 0.250" [6.35 mm] of the insulation sleeve edge

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

DIMENSIONS in inches [millimeters]							
Style 1				Style 2			
0.125 [3.18] Max. <u>↓</u> Tinned <u>↓</u> E Dia.		0.750 [10.500		0.125 [3.18] Max. Tinned  0.750 [19.0] 0.500 [12.70]			
MODEL	STYLE	A (MAX.)	B ± 0.050 [± 1.27]	C ± 0.062 [± 1.57]	D ± 0.062 [± 1.57]	E (DIA.)	TYPICAL WEIGHT (g)
IHV-15-500	1	2.45 [62.23]	1.45 [36.83]	0.980 [24.89]	1.95 [49.53]	0.082 [2.08]	305
IHV-20-200	2	2.45 [62.23]	1.45 [36.83]	0.980 [24.89]	-	0.102 [2.59]	310
IHV-28-60	2	2.45 [62.23]	1.02 [25.91]	0.770 [19.56]	-	0.102 [2.59]	160
IHV-30-150	2	2.45 [62.23]	1.65 [41.91]	1.080 [27.43]	-	0.129 [3.28]	470
IHV-40-39	2	2.45 [62.23]	1.15 [29.21]	0.820 [20.83]	-	0.129 [3.28]	210
IHV-45-92	2	2.55 [64.77]	1.92 [48.77]	1.210 [30.73]	-	0.162 [4.11]	650
IHV-50-50	1	2.55 [64.77]	1.57 [39.88]	1.050 [26.67]	2.10 [53.34]	0.162 [4.11]	420
IHV-60-24	2	2.45 [62.23]	1.27 [32.26]	0.890 [22.61]	-	0.162 [4.11]	270

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	

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



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Vishay Dale

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- Vishay Dale
- Model
- Date code

ORDERING INFORMATION							
IHV-15	500 μH	± 10 %	EB	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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