

Filter Inductors, High Current High Current



FEATURES

- Printed circuit mounting
- Low cost construction
- Designed for use with switching power supplies
- Pre-tinned leads
- Protected by polyolefin tubing-flame retardant UL type VW-1 per MIL-I-23053/5, Class 3 requirements



RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND.* at 1 kHz (μ H)	TOL.	SELF- RESONANT FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED CURRENT (Max. Amps)
IHV-15-500	500	$\pm 10\%$	0.8	0.0500	15
IHV-20-200	200	$\pm 10\%$	1.2	0.0210	20
IHV-28-60	60	$\pm 10\%$	1.9	0.0085	28
IHV-30-150	150	$\pm 10\%$	2.1	0.0130	30
IHV-40-39	39	$\pm 10\%$	2.5	0.0048	40
IHV-45-92	92	$\pm 10\%$	2.9	0.0075	45
IHV-50-50	50	$\pm 10\%$	3.1	0.0045	50
IHV-60-24	24	$\pm 10\%$	5.7	0.0025	60

* Will not change more than $\pm 10\%$ at rated current

ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1.0 V with no DC current

Dielectric: 2500 VRMS 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)

MECHANICAL SPECIFICATIONS

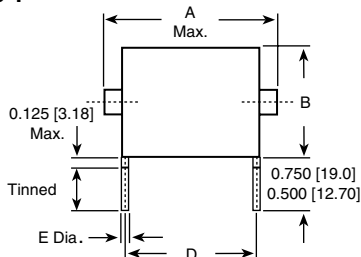
Terminals: Extensions of winding, solder coated

Encapsulant: Polyolefin tubing

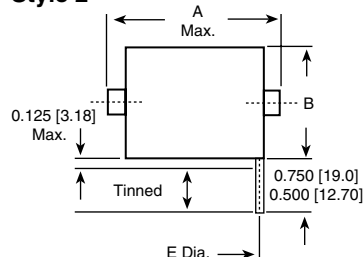
Core Material: Iron laminations

DIMENSIONS in inches [millimeters]

Style 1



Style 2



MODEL	STYLE	A (Max.)	B ± 0.050 [1.27]	C ± 0.062 [1.57]	D ± 0.062 [1.57]	E (Dia.)	TYPICAL WEIGHT (Grams)
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

MARKING

- Vishay Dale
- Model
- Date code



ORDERING INFORMATION

IHV-15

500 μ H

10 %

EB

e2

MODEL

INDUCTANCE
VALUE

INDUCTANCE
TOLERANCE

PACKAGE
CODE

JEDEC LEAD (Pb)-FREE
STANDARD

GLOBAL PART NUMBER

I H V 1 5
MODEL

E B
PACKAGE
CODE

5 0 0
INDUCTANCE
VALUE

See the end of this data book for conversion tables



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