



Filter Inductors

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.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND.* @ 1 kHz (μ H)	TOL.	SELF- RESONANT FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED CURRENT (Max. Amps)
IHV-15-500	500	$\pm 10\%$.8	.0500	15
IHV-20-200	200	$\pm 10\%$	1.2	.0210	20
IHV-28-60	60	$\pm 10\%$	1.9	.0085	28
IHV-30-150	150	$\pm 10\%$	2.1	.0130	30
IHV-40-39	39	$\pm 10\%$	2.5	.0048	40
IHV-45-92	92	$\pm 10\%$	2.9	.0075	45
IHV-50-50	50	$\pm 10\%$	3.1	.0045	50
IHV-60-24	24	$\pm 10\%$	5.7	.0025	60

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

ELECTRICAL SPECIFICATIONS

Inductance: Measured at 1V with no DC current.

Dielectric: 2500V RMS between winding and outer circumference to within .250" [6.35mm] 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

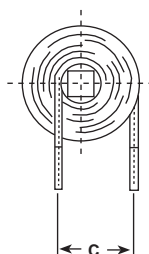
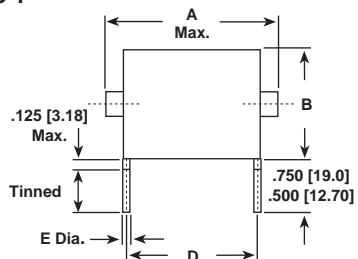
Terminals: Extensions of winding, solder coated.

Encapsulant: Polyolefin tubing.

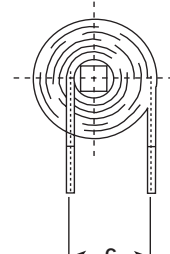
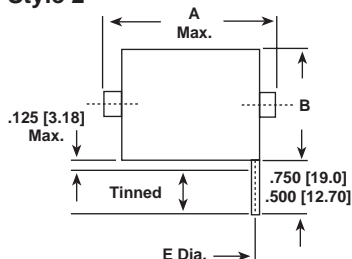
Core Material: Iron laminations.

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]

Style 1



Style 2



MODEL	STYLE	A (Max.)	B $\pm .050$ [1.27]	C $\pm .062$ [1.57]	D $\pm .062$ [1.57]	E (Dia.)	TYPICAL WEIGHT (Grams)
IHV-15-500	1	2.45 [62.23]	1.45 [36.83]	.980 [24.89]	1.95 [49.53]	.082 [2.08]	305
IHV-20-200	2	2.45 [62.23]	1.45 [36.83]	.980 [24.89]	—	.102 [2.59]	310
IHV-28-60	2	2.45 [62.23]	1.02 [25.91]	.770 [19.56]	—	.102 [2.59]	160
IHV-30-150	2	2.45 [62.23]	1.65 [41.91]	1.08 [27.43]	—	.129 [3.28]	470
IHV-40-39	2	2.45 [62.23]	1.15 [29.21]	.820 [20.83]	—	.129 [3.28]	210
IHV-45-92	2	2.55 [64.77]	1.92 [48.77]	1.21 [30.73]	—	.162 [4.11]	650
IHV-50-50	1	2.55 [64.77]	1.57 [39.88]	1.05 [26.67]	2.10 [53.34]	.162 [4.11]	420
IHV-60-24	2	2.45 [62.23]	1.27 [32.26]	.890 [22.61]	—	.162 [4.11]	270

PART MARKING

— Vishay Dale
— Model
— Date code

HOW TO ORDER

<u>IHV-15</u>	<u>500μH</u>	<u>$\pm 10\%$</u>
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE