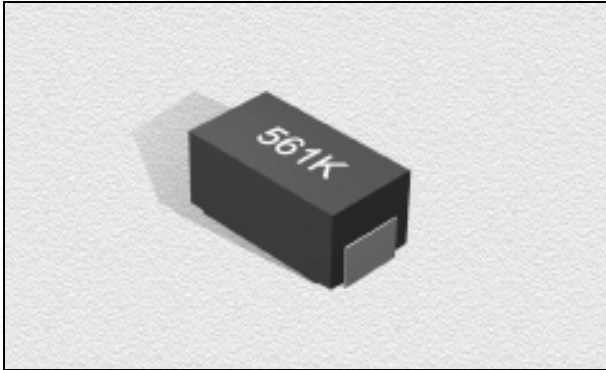


Power Inductors – Molded High Current

ginvanix.com

GVIHSM4825 Series

From 1.0 μH to 1,000 μH



CHARACTERISTICS

Description: SMD Molded High Current Inductors

Applications: Excellent power line noise filters, filters for switching regulated power supplies, DC/DC converters, SCR and Triac controls and RFI suppression.

Operating Temperature: -55°C to +125°C

Inductance Tolerance: $\pm 15\%$

Incremental Current: The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value

Testing: Tested on a HP4284A at 1KHz

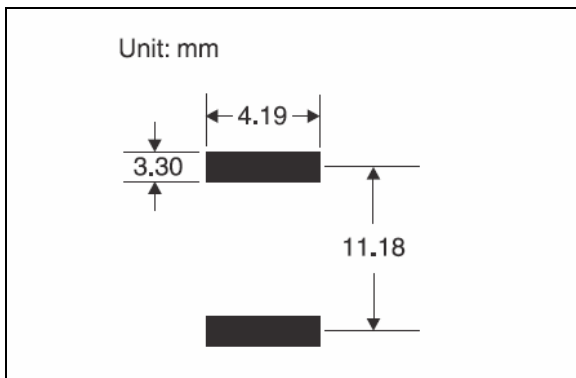
Packaging: Tape & Reel

Marking: Parts are marked with inductance code

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

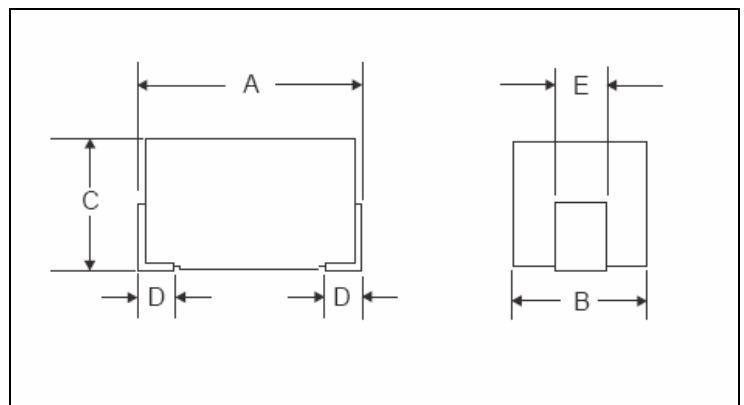
Part numbers indicate tolerance available.

L = $\pm 15\%$

Part Number	Inductance (μH)	Test Freq. (KHz)	DCR Max. (Ω)	Incremental Current. (A)	Rated Current (A)
GVIHSM4825-1R0L	1.0	1.0	0.013	4.1	8.6
GVIHSM4825-1R2L	1.2	1.0	0.018	3.8	7.6
GVIHSM4825-1R5L	1.5	1.0	0.02	3.5	6.9
GVIHSM4825-1R8L	1.8	1.0	0.021	3.2	6.5
GVIHSM4825-2R2L	2.2	1.0	0.029	2.9	5.7
GVIHSM4825-2R7L	2.7	1.0	0.034	2.6	5.1
GVIHSM4825-3R3L	3.3	1.0	0.038	2.4	4.6
GVIHSM4825-3R9L	3.9	1.0	0.042	2.2	4.3
GVIHSM4825-4R7L	4.7	1.0	0.047	2.0	4.0
GVIHSM4825-5R6L	5.6	1.0	0.051	1.9	3.8
GVIHSM4825-6R8L	6.8	1.0	0.058	1.7	3.5
GVIHSM4825-8R2L	8.2	1.0	0.063	1.5	3.3
GVIHSM4825-100L	10.0	1.0	0.071	1.4	3.1
GVIHSM4825-120L	12.0	1.0	0.079	1.3	2.7
GVIHSM4825-150L	15.0	1.0	0.089	1.2	2.3
GVIHSM4825-180L	18.0	1.0	0.119	1.1	1.9
GVIHSM4825-220L	22.0	1.0	0.152	1.02	1.7
GVIHSM4825-270L	27.0	1.0	0.179	0.95	1.6
GVIHSM4825-330L	33.0	1.0	0.222	0.88	1.3
GVIHSM4825-390L	39.0	1.0	0.315	0.8	1.19
GVIHSM4825-470L	47.0	1.0	0.362	0.74	1.07
GVIHSM4825-560L	56.0	1.0	0.397	0.68	0.95
GVIHSM4825-680L	68.0	1.0	0.446	0.62	0.87
GVIHSM4825-820L	82.0	1.0	0.604	0.56	0.8
GVIHSM4825-101L	100.0	1.0	0.672	0.5	0.73
GVIHSM4825-121L	120.0	1.0	0.735	0.45	0.66
GVIHSM4825-151L	150.0	1.0	0.998	0.4	0.58
GVIHSM4825-181L	180.0	1.0	1.37	0.35	0.5
GVIHSM4825-221L	220.0	1.0	1.58	0.32	0.46
GVIHSM4825-271L	270.0	1.0	1.77	0.3	0.41
GVIHSM4825-331L	330.0	1.0	2.51	0.28	0.37
GVIHSM4825-391L	390.0	1.0	2.73	0.26	0.34
GVIHSM4825-471L	470.0	1.0	3.36	0.24	0.32
GVIHSM4825-561L	560.0	1.0	3.75	0.23	0.3
GVIHSM4825-681L	680.0	1.0	4.31	0.2	0.28
GVIHSM4825-821L	820.0	1.0	6.04	0.17	0.26
GVIHSM4825-102L	1000.0	1.0	6.9	0.15	0.24

PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.	Max.	Max.	Min.	Max.
mm	13.2	6.35	5.84	1.27	1.91
inches	0.52	0.25	0.23	0.050	0.075



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