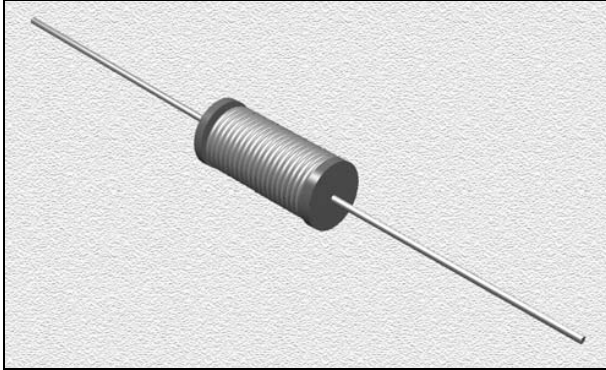


# Power Line Chokes - Axial

ginvanix.com

## GVH7V Series

From 3.9  $\mu\text{H}$  to 18,000  $\mu\text{H}$



### CHARACTERISTICS

**Description:** Axial leaded power line inductor (clear varnish coated)

**Applications:** Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Various applications

**Operating Temperature:** -55°C to +100°C

**Inductance Tolerance:**  $\pm 10\%$

**Testing:** Inductance is tested on an HP4284A at 1.0 kHz

**Packaging:** Bulk pack standard, Tape & Reel available. Lead length (dimension C) is 20mm max. for parts packaged tape & reel.

**Marking:** Marked with color dots

**Saturation Current:** Lowers inductance by 10%

**Bobbin:** High saturation, allows for high inductance with low DC resistance

**Miscellaneous:** RoHS Compliant available. Higher current parts available

**Additional Information:** Additional electrical & physical information available upon request

Samples available. See website for ordering information.

### SPECIFICATIONS

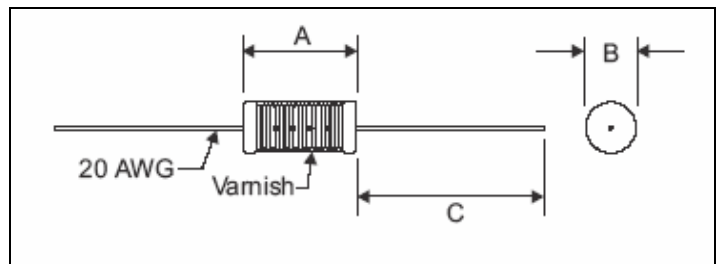
Parts are available in  $\pm 10\%$  tolerance only

GVH7VE Please specify "F" for RoHS compliant

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (kHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Saturation DC (A)	AC (A)
GVH7V_-3R9K	3.9	1.0	38	.02	7.3	1.3
GVH7V_-4R7K	4.7	1.0	26	.02	6.3	1.3
GVH7V_-5R6K	5.6	1.0	25	.02	5.6	1.3
GVH7V_-6R8K	6.8	1.0	25	.03	5.3	1.3
GVH7V_-8R2K	8.2	1.0	22	.03	4.5	1.3
GVH7V_-100K	10	1.0	17	.03	4.1	1.3
GVH7V_-120K	12	1.0	16	.04	3.6	1.3
GVH7V_-150K	15	1.0	12	.04	3.3	1.3
GVH7V_-180K	18	1.0	11	.04	3.0	1.3
GVH7V_-220K	22	1.0	10	.05	2.7	1.3
GVH7V_-270K	27	1.0	7.0	.06	2.5	1.3
GVH7V_-330K	33	1.0	7.0	.08	2.2	1.0
GVH7V_-390K	39	1.0	7.0	.09	2.0	.80
GVH7V_-470K	47	1.0	6.0	.11	1.8	.80
GVH7V_-560K	56	1.0	6.0	.13	1.7	.80
GVH7V_-680K	68	1.0	7.0	.14	1.5	.80
GVH7V_-820K	82	1.0	4.0	.15	1.4	.80
GVH7V_-101K	100	1.0	3.0	.21	1.2	.63
GVH7V_-121K	120	1.0	3.0	.28	1.1	.51
GVH7V_-151K	150	1.0	3.0	.34	1.0	.51
GVH7V_-181K	180	1.0	3.0	.36	.95	.51
GVH7V_-221K	220	1.0	3.0	.43	.86	.51
GVH7V_-271K	270	1.0	2.0	.56	.77	.40
GVH7V_-331K	330	1.0	2.0	.67	.70	.40
GVH7V_-391K	390	1.0	2.0	.77	.64	.40
GVH7V_-471K	470	1.0	2.0	1.2	.59	.32
GVH7V_-561K	560	1.0	1.0	1.3	.54	.32
GVH7V_-681K	680	1.0	1.0	1.6	.49	.25
GVH7V_-821K	820	1.0	1.0	2.0	.44	.20
GVH7V_-102K	1000	1.0	1.0	2.3	.40	.20
GVH7V_-122K	1200	1.0	1.0	2.7	.35	.20
GVH7V_-152K	1500	1.0	.85	3.5	.33	.16
GVH7V_-182K	1800	1.0	.67	4.0	.29	.16
GVH7V_-222K	2200	1.0	.65	4.5	.27	.16
GVH7V_-272K	2700	1.0	.65	5.4	.24	.13
GVH7V_-332K	3300	1.0	.60	6.6	.22	.13
GVH7V_-392K	3900	1.0	.60	8.6	.20	.10
GVH7V_-472K	4700	1.0	.50	9.7	.18	.10
GVH7V_-562K	5600	1.0	.60	14	.16	.08
GVH7V_-682K	6800	1.0	.40	16	.15	.08
GVH7V_-822K	8200	1.0	.35	21	.13	.07
GVH7V_-103K	10000	1.0	.30	26	.12	.05
GVH7V_-123K	12000	1.0	.25	30	.11	.05
GVH7V_-153K	15000	1.0	.30	43	.10	.04
GVH7V_-183K	18000	1.0	.30	48	.09	.04

### PHYSICAL DIMENSIONS

Size	A	B	C	20 AWG
	Max.	Max.	Typ.	Nom.
mm	15.3	6.85	29.2	0.813
inches	0.6	0.27	1.15	0.319



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