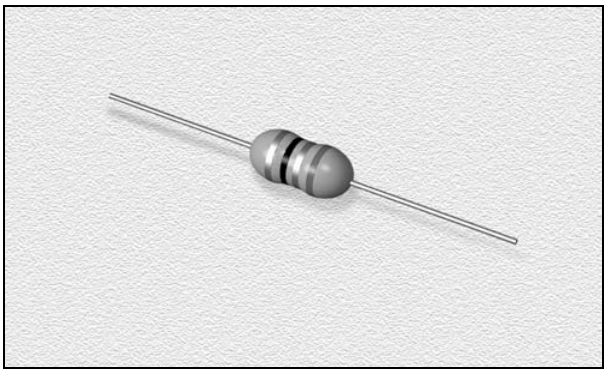
GV51 Series

From 0.10 µH to 10,000 µH

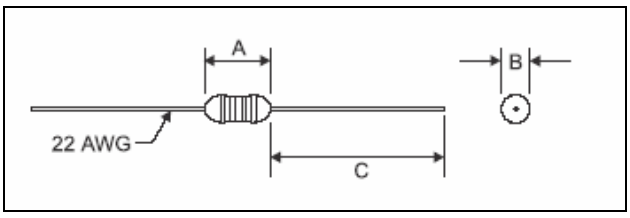


CHARACTERISTICS

Description: Axial leaded conformal coated inductor
Applications: Used in less harsh environments. Ideal for less critical RFL/EMI applications.
Operating Temperature: -40°C to +125°C
Inductance Tolerance: ±5%, ±10%, ±20%
Testing: Inductance and Q are tested on an HP4285A at specified frequency
Packaging: Bulk pack or Tape & Reel, 5,000 parts per reel
Marking: Parts are EIA color banded which indicates inductance code and tolerance
Material: Magnetic core (ferrite or iron) except for values 0.10 µH to 0.82 µH (phenolic) treated with epoxy resin for protection and longer reliability
Miscellaneous: RoHS Compliant available.
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	22 AWG
	Max.	Max.	Typ.	Nom.
mm	9.40	4.06	29.2	0.6430
inches	0.37	0.16	1.15	0.02535



SPECIFICATIONS

Please specify tolerance code when ordering.
GV51-R10_ ⟵ J = ±5%, K = ±10%, M = ±20%
GV51F **Please specify "F" for RoHS Compliant**

Part Number	Inductance (µH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
GV51_-R10_	.10	25.2	45	25.2	380	.08	1600
GV51_-R12_	.12	25.2	45	25.2	360	.10	1550
GV51_-R15_	.15	25.2	45	25.2	340	.10	1500
GV51_-R18_	.18	25.2	45	25.2	320	.10	1480
GV51_-R22_	.22	25.2	45	25.2	300	.10	1450
GV51_-R27_	.27	25.2	45	25.2	270	.11	1400
GV51_-R33_	.33	25.2	45	25.2	250	.12	1350
GV51_-R39_	.39	25.2	45	25.2	230	.13	1300
GV51_-R47_	.47	25.2	45	25.2	220	.14	1280
GV51_-R56_	.56	25.2	45	25.2	210	.15	1240
GV51_-R68_	.68	25.2	45	25.2	200	.16	1225
GV51_-R82_	.82	25.2	45	25.2	190	.17	1210
GV51_-1R0_	1.0	25.2	45	25.2	205	.16	1200
GV51_-1R2_	1.2	7.96	50	7.96	185	.18	1150
GV51_-1R5_	1.5	7.96	50	7.96	165	.20	1100
GV51_-1R8_	1.8	7.96	55	7.96	155	.22	1030
GV51_-2R2_	2.2	7.96	55	7.96	140	.25	1000
GV51_-2R7_	2.7	7.96	60	7.96	125	.26	940
GV51_-3R3_	3.3	7.96	60	7.96	115	.29	900
GV51_-3R9_	3.9	7.96	60	7.96	105	.31	850
GV51_-4R7_	4.7	7.96	60	7.96	95	.34	820
GV51_-5R6_	5.6	7.96	60	7.96	85	.38	780
GV51_-6R8_	6.8	7.96	65	7.96	75	.51	670
GV51_-8R2_	8.2	7.96	65	7.96	50	.48	690
GV51_-100_	10	7.96	65	7.96	35	.49	680
GV51_-120_	12	2.52	50	2.52	30	.55	650
GV51_-150_	15	2.52	50	2.52	20	.60	610
GV51_-180_	18	2.52	50	2.52	17	.67	580
GV51_-220_	22	2.52	50	2.52	13	.74	560
GV51_-270_	27	2.52	55	2.52	10	.83	530
GV51_-330_	33	2.52	55	2.52	9.0	.92	500
GV51_-390_	39	2.52	55	2.52	8.0	1.0	470
GV51_-470_	47	2.52	40	2.52	7.5	1.1	450
GV51_-560_	56	2.52	40	2.52	7.0	1.2	430
GV51_-680_	68	2.52	40	2.52	6.5	1.3	410
GV51_-820_	82	2.52	35	2.52	6.0	1.5	290
GV51_-101_	100	2.52	30	2.52	5.0	1.7	370
GV51_-121_	120	.796	50	.796	4.5	2.4	300
GV51_-151_	150	.796	50	.796	4.2	2.8	280
GV51_-181_	180	.796	50	.796	3.9	3.0	270
GV51_-221_	220	.796	50	.796	3.7	3.3	250
GV51_-271_	270	.796	65	.796	2.8	5.7	200
GV51_-331_	330	.796	65	.796	2.7	6.4	190
GV51_-391_	390	.796	65	.796	2.4	7.0	180
GV51_-471_	470	.796	55	.796	2.2	7.9	170
GV51_-561_	560	.796	55	.796	2.0	8.8	160
GV51_-681_	680	.796	55	.796	1.9	10.0	150
GV51_-821_	820	.796	55	.796	1.6	12.0	140
GV51_-102_	1000	.252	50	.252	1.6	14.0	130
GV51_-122_	1200	.252	50	.252	1.3	16.9	115
GV51_-152_	1500	.252	40	.252	1.25	21.6	100
GV51_-182_	1800	.252	40	.252	1.2	24.0	95
GV51_-222_	2200	.252	40	.252	1.1	34.7	80
GV51_-272_	2700	.252	40	.252	1.0	40.0	75
GV51_-332_	3300	.252	40	.252	.90	59.5	62
GV51_-392_	3900	.252	40	.252	.80	66.0	59
GV51_-472_	4700	.252	40	.252	.70	74.0	55
GV51_-562_	5600	.252	30	.252	.55	70.0	40
GV51_-682_	6800	.252	30	.252	.50	85.0	35
GV51_-822_	8200	.252	30	.252	.40	95.0	30
GV51_-103_	10000	.252	20	.252	.35	105	25

GVX

Ginvanix Electronics Corp.
180, Minsheng St., 303, Hukou, Hsinchu, Taiwan
Tel:+886-3-5999899; Fax: +886-3-5901484; info@ginvanix.com