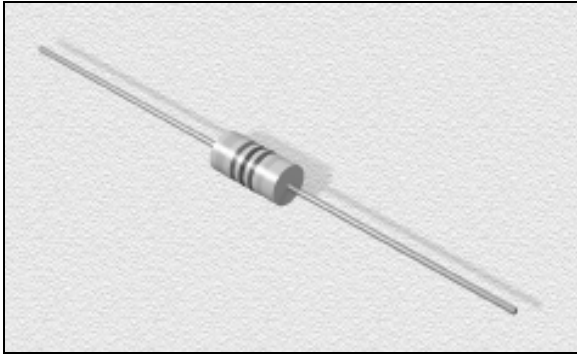


Shielded Inductors - Axial

ginvanix.com

GVS1 Series

From 0.10 μH to 1,000 μH



SPECIFICATIONS

Please specify tolerance code when ordering.
GVS1-R10_ ← J = $\pm 5\%$, K = $\pm 10\%$

Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
GVS1-R10_	.10	25	39	25	400	.071	1580
GVS1-R12_	.12	25	36	25	400	.087	1360
GVS1-R15_	.15	25	35	25	400	.109	1280
GVS1-R18_	.18	25	33	25	400	.145	1110
GVS1-R22_	.22	25	35	25	400	.165	1040
GVS1-R27_	.27	25	33	25	400	.192	965
GVS1-R33_	.33	25	33	25	370	.228	885
GVS1-R39_	.39	25	32	25	348	.259	830
GVS1-R47_	.47	25	33	25	312	.348	717
GVS1-R56_	.56	25	30	25	286	.417	655
GVS1-R68_	.68	25	30	25	262	.580	555
GVS1-R82_	.82	25	33	25	188	.132	1160
GVS1-1R0_	1.0	25	35	25	166	.169	1030
GVS1-1R2_	1.2	7.9	29	7.9	149	.184	985
GVS1-1R5_	1.5	7.9	29	7.9	136	.26	825
GVS1-1R8_	1.8	7.9	29	7.9	118	.36	705
GVS1-2R2_	2.2	7.9	28	7.9	110	.41	664
GVS1-2R7_	2.7	7.9	32	7.9	94	.55	577
GVS1-3R3_	3.3	7.9	32	7.9	86	.62	540
GVS1-3R9_	3.9	7.9	38	7.9	85	.79	475
GVS1-4R7_	4.7	7.9	38	7.9	79	.91	445
GVS1-5R6_	5.6	7.9	40	7.9	72	1.15	395
GVS1-6R8_	6.8	7.9	46	7.9	65	1.73	320
GVS1-8R2_	8.2	7.9	45	7.9	59	1.96	302
GVS1-100_	10	7.9	45	7.9	53	2.3	280
GVS1-120_	12	2.5	40	2.5	60	.55	570
GVS1-150_	15	2.5	45	2.5	53	.71	500
GVS1-180_	18	2.5	45	2.5	45.8	1.0	423
GVS1-220_	22	2.5	45	2.5	42.2	1.09	404
GVS1-270_	27	2.5	48	2.5	31.0	1.35	364
GVS1-330_	33	2.5	54	2.5	26.0	1.9	305
GVS1-390_	39	2.5	54	2.5	24.2	2.1	293
GVS1-470_	47	2.5	54	2.5	22.0	2.4	271
GVS1-560_	56	2.5	60	2.5	21.2	2.9	248
GVS1-680_	68	2.5	55	2.5	19.9	3.2	237
GVS1-820_	82	2.5	57	2.5	16.8	3.7	219
GVS1-101_	100	2.5	60	2.5	13.2	4.6	198
GVS1-121_	120	.79	58	.79	11.0	5.2	184
GVS1-151_	150	.79	60	.79	9.1	5.9	173
GVS1-181_	180	.79	60	.79	7.4	7.4	156
GVS1-221_	220	.79	60	.79	7.2	8.5	145
GVS1-271_	270	.79	60	.79	6.8	10.0	133
GVS1-331_	330	.79	60	.79	5.5	13.4	115
GVS1-391_	390	.79	60	.79	5.1	15.0	109
GVS1-471_	470	.79	60	.79	5.0	21.0	92
GVS1-561_	560	.79	60	.79	4.9	23.0	88
GVS1-681_	680	.79	60	.79	4.6	26.0	82
GVS1-821_	820	.79	60	.79	4.2	34.0	72
GVS1-102_	1000	.79	60	.79	4.0	39.0	67

CHARACTERISTICS

Description: Axial leaded molded (shielded) inductor

Applications: Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications

Operating Temperature: -55°C to $+105^{\circ}\text{C}$

Inductance Tolerance: $\pm 5\%$ & $\pm 10\%$

Testing: Inductance and Q are tested on an HP4285A at specified frequency

Packaging: Bulk pack, 1,000 parts per bag,
Tape & Reel, 5,000 parts per reel

Marking: Parts are EIA color banded, which indicates inductance code and tolerance

Material: Molded epoxy resin over the magnetic core for superior shielding and reliability

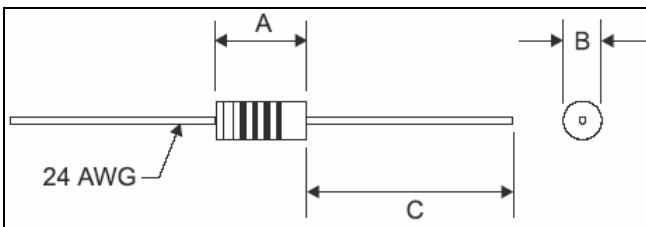
Miscellaneous: Other values available

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C Typ.	24 AWG
mm	6.60 \pm 0.25	2.80 \pm 0.25	29.2	0.5110
inches	0.26 \pm 0.010	0.110 \pm 0.010	1.15	0.02010



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