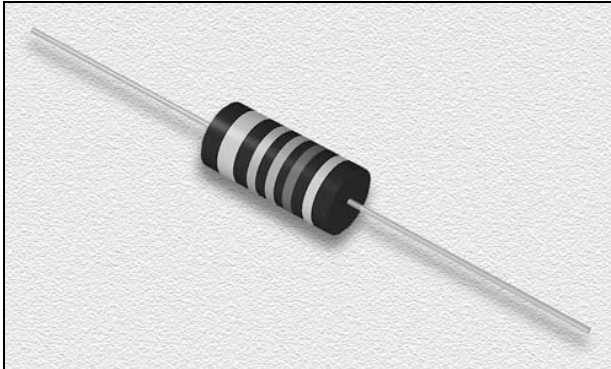


GVM3 Series

From 0.15 μH to 1,000 μH



CHARACTERISTICS

Description: Axial leaded molded inductor

Applications: Used for various kinds of OSC and TRAP coils. Ideal for various RF applications

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

Inductance Tolerance: $\pm 5\%$, $\pm 10\%$ & $\pm 20\%$

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

Packaging: Bulk pack or Tape & Reel, 2,500 parts per reel

Marking: Five band EIA color code indicating inductance code and tolerance

Material: Molded epoxy resin over coil

Core: Magnetic core (ferrite or iron) except for values .15 μH to 2.7 μH (phenolic)

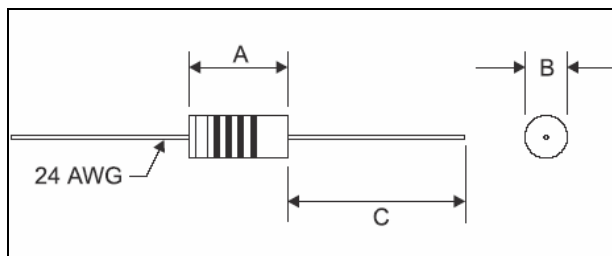
Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	24 AWG
			Typ.	Nom.
mm	11.2 \pm 0.25	4.82 \pm 0.25	29.2	0.511
inches	0.44 \pm 0.01	0.19 \pm 0.01	1.15	0.02

PAD LAYOUT



SPECIFICATIONS

Please specify tolerance code when ordering.

GVM3-R15_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
GVM3-R15_	.15	25	50	25	510	.03	3050
GVM3-R22_	.22	25	50	25	415	.03	2800
GVM3-R27_	.27	25	50	25	360	.05	2400
GVM3-R33_	.33	25	50	25	350	.06	2000
GVM3-R47_	.47	25	50	25	300	.08	1700
GVM3-R56_	.56	25	50	25	270	.12	1450
GVM3-R68_	.68	25	45	25	250	.15	1300
GVM3-R82_	.82	25	40	25	210	.21	1100
GVM3-1R0_	1.0	25	40	25	200	.29	930
GVM3-1R2_	1.2	7.9	30	7.9	180	.40	785
GVM3-1R5_	1.5	7.9	30	7.9	170	.49	700
GVM3-1R8_	1.8	7.9	30	7.9	150	.74	550
GVM3-2R2_	2.2	7.9	30	7.9	140	.97	505
GVM3-2R7_	2.7	7.9	30	7.9	120	1.2	460
GVM3-3R3_	3.3	7.9	30	7.9	70	1.4	990
GVM3-3R9_	3.9	7.9	30	7.9	65	.15	870
GVM3-4R7_	4.7	7.9	30	7.9	60	.21	745
GVM3-5R6_	5.6	7.9	30	7.9	50	.28	645
GVM3-6R8_	6.8	7.9	30	7.9	50	.37	560
GVM3-8R2_	8.2	7.9	30	7.9	48	.44	540
GVM3-100_	10	7.9	30	7.9	42	.61	440
GVM3-120_	12	2.5	50	2.5	36	1.1	370
GVM3-150_	15	2.5	55	2.5	30	1.2	310
GVM3-180_	18	2.5	60	2.5	30	2.0	255
GVM3-220_	22	2.5	60	2.5	24	2.2	240
GVM3-270_	27	2.5	65	2.5	22	2.8	205
GVM3-330_	33	2.5	55	2.5	18	2.3	300
GVM3-390_	39	2.5	55	2.5	16	2.5	285
GVM3-470_	47	2.5	55	2.5	14	3.4	245
GVM3-560_	56	2.5	55	2.5	14	4.1	225
GVM3-680_	68	2.5	55	2.5	11	4.2	220
GVM3-820_	82	2.5	55	2.5	9.3	4.4	215
GVM3-101_	100	.79	45	.79	8.5	4.9	205
GVM3-121_	120	.79	60	.79	7.3	5.4	195
GVM3-151_	150	.79	60	.79	6.2	6.2	180
GVM3-181_	180	.79	60	.79	5.7	7.1	170
GVM3-221_	220	.79	60	.79	5.2	7.9	160
GVM3-271_	270	.79	65	.79	5.6	8.2	110
GVM3-331_	330	.79	65	.79	5.0	9.1	105
GVM3-391_	390	.79	65	.79	4.5	10	100
GVM3-471_	470	.79	65	.79	4.0	11	95
GVM3-561_	560	.79	65	.79	3.8	12	91
GVM3-681_	680	.79	60	.79	3.4	14	85
GVM3-821_	820	.79	60	.79	3.1	15	81
GVM3-102_	1000	.79	60	.79	2.8	16	78



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