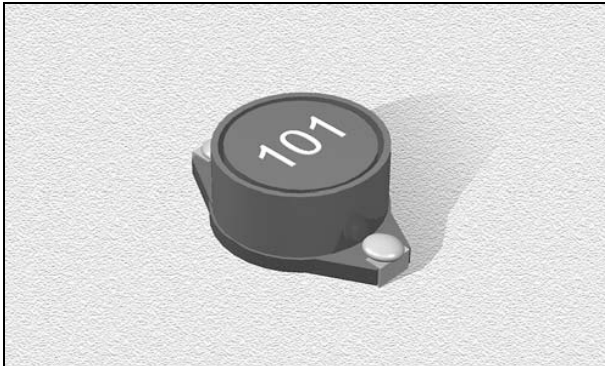


Power Inductors – Shielded

ginvanix.com

GVDSS1005 Series

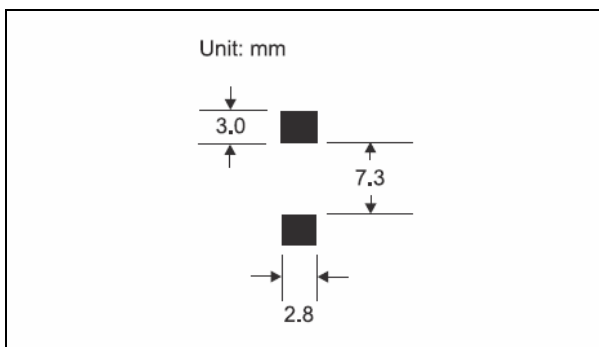
From 1.0 μH to 3,300 μH



CHARACTERISTICS

- Description:** SMD (shielded) power inductor
Applications: Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication equipment. Especially those requiring shielding and low profiles
Operating Temperature: -25°C to +105°C
Inductance Tolerance: $\pm 20\%$
Testing: Inductance and Q are tested on an HP4284A or HP4285A at specified frequency
Packaging: Tape & Reel
Marking: Parts are marked with inductance code
Rated Current: Based on temp. rise & $-L/L_0A=10\%$ Max.
Storage Temperature: -40°C to +125°C
Temperature Rise: 40°C Max. (* 45°C Max.)
Resistance to solder heat: 260°C 10 sec
Miscellaneous: Magnetically shielded
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

PAD LAYOUT



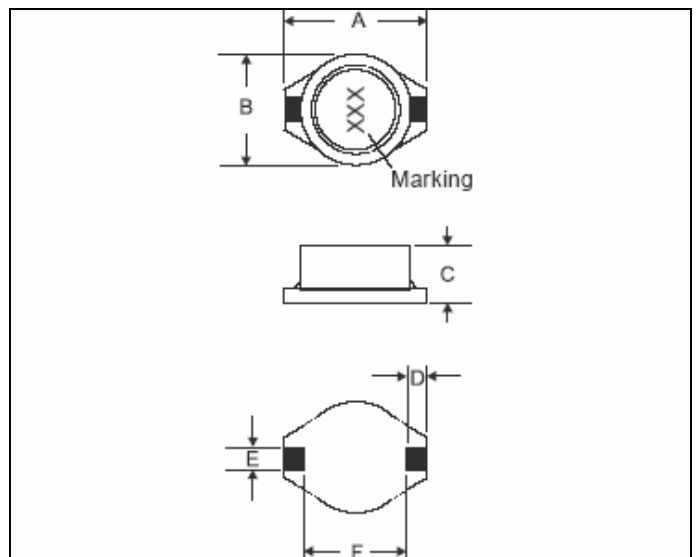
SPECIFICATIONS

Parts are available in $\pm 20\%$ tolerance only.
 * Temperature rise 45°C Max.

Part Number	Inductance (μH)	L Test Freq. (kHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Norm. (MHz)	DCR Max. (Ω)	Rated DC (A)
GVDSS1005-102	1.0	1.0	23	7.96	140	.01	6.5*
GVDSS1005-152	1.5	1.0	24	7.96	100	.02	5.6*
GVDSS1005-222	2.2	1.0	25	7.96	90	.03	3.1
GVDSS1005-302	3.0	1.0	25	7.96	80	.03	2.9
GVDSS1005-332	3.3	1.0	24	7.96	70	.03	3.8*
GVDSS1005-472	4.7	1.0	25	7.96	50	.04	2.5
GVDSS1005-682	6.8	1.0	22	7.96	31	.05	2.8*
GVDSS1005-702	7.0	1.0	22	7.96	32	.06	2.2
GVDSS1005-103	10	1.0	48	2.52	30	.07	2.0
GVDSS1005-123	12	1.0	45	2.52	25	.08	1.8
GVDSS1005-153	15	1.0	40	2.52	20	.09	1.7
GVDSS1005-183	18	1.0	35	2.52	19	.09	1.6
GVDSS1005-223	22	1.0	42	2.52	18	.10	1.4
GVDSS1005-273	27	1.0	40	2.52	17	.12	1.3
GVDSS1005-333	33	1.0	40	2.52	15	.16	1.2
GVDSS1005-393	39	1.0	40	2.52	13	.18	1.1
GVDSS1005-473	47	1.0	35	2.52	12	.19	1.0
GVDSS1005-563	56	1.0	35	2.52	11	.21	0.9
GVDSS1005-683	68	1.0	35	2.52	9	.34	0.8
GVDSS1005-823	82	1.0	35	2.52	8	.38	0.8
GVDSS1005-104	100	1.0	35	.796	8	.42	0.7
GVDSS1005-124	120	1.0	30	.796	7	.46	0.6
GVDSS1005-154	150	1.0	28	.796	6	.52	0.6
GVDSS1005-184	180	1.0	28	.796	6	.70	0.5
GVDSS1005-224	220	1.0	30	.796	5	.80	0.5
GVDSS1005-274	270	1.0	30	.796	5	1.1	0.4
GVDSS1005-334	330	1.0	30	.796	5	1.2	0.4
GVDSS1005-394	390	1.0	25	.796	4	1.4	0.3
GVDSS1005-474	470	1.0	40	.796	3	1.6	0.3
GVDSS1005-564	560	1.0	40	.796	3	1.8	0.3
GVDSS1005-684	680	1.0	37	.796	3	2.3	0.3
GVDSS1005-824	820	1.0	37	.796	3	2.6	0.2
GVDSS1005-105	1000	1.0	65	.252	2	3.2	0.2
GVDSS1005-125	1200	1.0	58	.252	2	3.6	0.2
GVDSS1005-155	1500	1.0	53	.252	2	5.2	0.2
GVDSS1005-185	1800	1.0	65	.252	1	5.7	0.2
GVDSS1005-225	2200	1.0	55	.252	1	6.5	0.1
GVDSS1005-275	2700	1.0	55	.252	1	8.6	0.1
GVDSS1005-335	3300	1.0	50	.252	1	10	0.1

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	12.7 \pm 0.2	10 \pm 0.2	4.9 \pm 0.2	2.4 \pm 0.2	2.5 \pm 0.2	7.6 \pm 0.3
inches	0.5 \pm 0.008	0.4 \pm 0.008	0.2 \pm 0.008	0.09 \pm 0.008	0.1 \pm 0.008	0.3 \pm 0.012



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