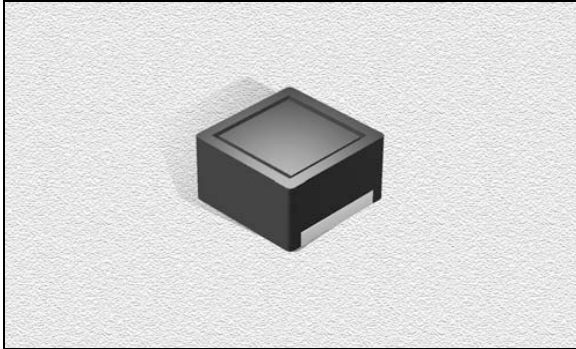


# Power Inductors - Shielded

ginvanix.com

## GVLQH3KS Series

From 1.0  $\mu\text{H}$  to 2200  $\mu\text{H}$



### SPECIFICATIONS

Please specify tolerance code when ordering.

GVLQH3KS-1R0\_ ← M =  $\pm 20\%$ , N =  $\pm 30\%$

GVLQH3KSE Please specify "F" for RoHS compliant.

Part Number	Inductance ( $\mu\text{H}$ )	L Test Freq. (kHz)	DCR Max. ( $\Omega$ )	IDC Max. (mA)	SRF Typ. (MHz)
GVLQH3KS_-1R0_	1.0	100	0.02	1000	120
GVLQH3KS_-2R2_	2.2	100	0.06	800	60.0
GVLQH3KS_-4R7_	4.7	100	0.11	600	35.0
GVLQH3KS_-6R8_	6.8	100	0.13	500	39.7
GVLQH3KS_-8R2_	8.2	100	0.14	400	33.1
GVLQH3KS_-100M	10	1.0	0.15	300	22.0
GVLQH3KS_-220M	22	1.0	0.32	180	15.0
GVLQH3KS_-330M	33	1.0	0.41	170	16.2
GVLQH3KS_-470M	47	1.0	0.64	150	12.0
GVLQH3KS_-101M	100	1.0	1.74	90	9.00
GVLQH3KS_-221M	220	1.0	4.51	80	6.00
GVLQH3KS_-331M	330	1.0	8.63	70	4.20
GVLQH3KS_-391M	390	1.0	9.11	60	3.80
GVLQH3KS_-471M	470	1.0	9.52	50	3.50
GVLQH3KS_-561M	560	1.0	10.14	50	3.00
GVLQH3KS_-681M	680	1.0	11.83	40	2.60
GVLQH3KS_-102M	1000	1.0	14.30	30	2.10
GVLQH3KS_-152M	1500	1.0	29.90	25	1.70
GVLQH3KS_-202M	2000	1.0	33.00	22	2.18
GVLQH3KS_-222M	2200	1.0	36.40	20	1.50

### CHARACTERISTICS

**Description:** SMD (shielded) power inductor

**Applications:** Excellent for power line DC-DC conversion applications used in hard disk, notebook computers, and other electronic equipment

**Operating Temperature:**  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

**Temperature Rise:**  $40^{\circ}\text{C}$  Max.

**Inductance Tolerance:**  $\pm 10\%$  &  $\pm 20\%$

**Testing:** Tested on a HP4284A @ specified frequency

**Packaging:** Tape & Reel

**Miscellaneous:** RoHS Compliant available.

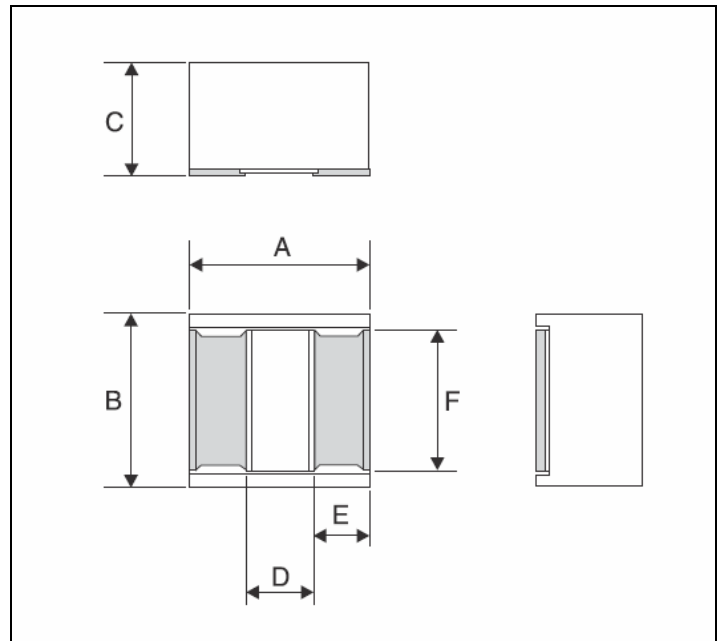
**Marking:** Reels are marked with inductance code and tolerance

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

**Samples available. See website for ordering information.**

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
			Max.	Ref.	Ref.	Ref.
mm	$3.5 \pm 0.3$	$3.5 \pm 0.3$	2.4	0.9	1.4	2.5
inches	$0.14 \pm 0.01$	$0.14 \pm 0.01$	0.09	0.04	0.06	0.10



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