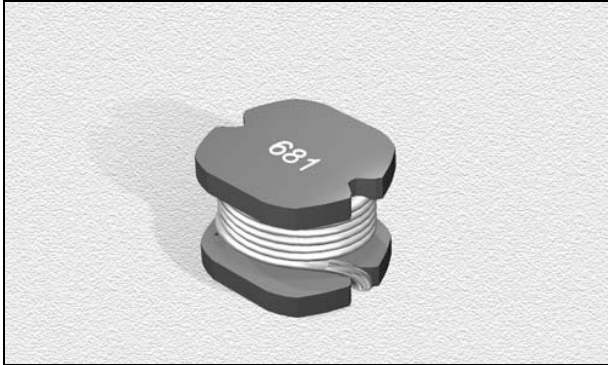


## GVCD105 Series

From 4.7  $\mu$ H to 820  $\mu$ H



### CHARACTERISTICS

**Description:** SMD power inductor

**Applications:** VTR power supplies, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters

**Operating Temperature:** -30°C to +100°C

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

**Testing:** Inductance is tested on an HP4284A or HP4285A at specified frequency

**Packaging:** Tape & Reel

**Marking:** Marked with inductance code

**Rated DC:** The value of current when the inductance is 10% lower than its initial value at 0 Adc or D.C. current when at  $\Delta T = 40^\circ\text{C}$  whichever is lower

**Miscellaneous:** RoHS Compliant available.

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

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

### SPECIFICATIONS

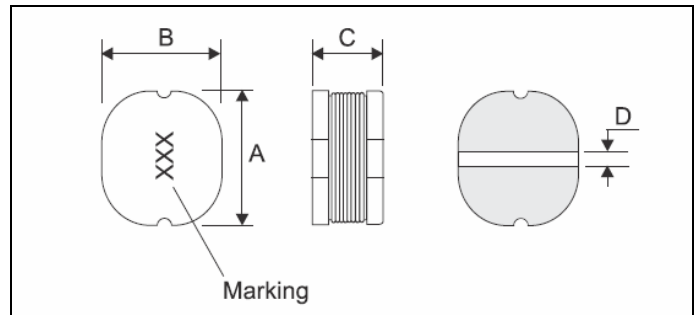
Parts are marked to indicate tolerance available.

K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu$ H)	L Test Freq. (_Hz)	DCR Max. ( $\Omega$ )	Rated DC (A)
GVCD105_-4R7M	4.7	7.96M	.04	2.6
GVCD105_-100M	10	2.52M	.06	2.6
GVCD105_-120M	12	2.52M	.07	2.4
GVCD105_-150M	15	2.52M	.08	2.3
GVCD105_-180M	18	2.52M	.09	2.1
GVCD105_-220M	22	2.52M	.10	1.9
GVCD105_-270M	27	2.52M	.11	1.7
GVCD105_-330M	33	2.52M	.12	1.5
GVCD105_-390M	39	2.52M	.14	1.4
GVCD105_-470K	47	2.52M	.17	1.3
GVCD105_-560K	56	2.52M	.19	1.2
GVCD105_-680K	68	2.52M	.22	1.1
GVCD105_-820K	82	2.52M	.25	1.0
GVCD105_-101K	100	1.0k	.35	.97
GVCD105_-121K	120	1.0k	.40	.89
GVCD105_-151K	150	1.0k	.47	.78
GVCD105_-181K	180	1.0k	.63	.72
GVCD105_-221K	220	1.0k	.73	.66
GVCD105_-271K	270	1.0k	.97	.57
GVCD105_-331K	330	1.0k	1.1	.52
GVCD105_-391K	390	1.0k	1.3	.48
GVCD105_-471K	470	1.0k	1.5	.42
GVCD105_-561K	560	1.0k	1.9	.33
GVCD105_-681K	680	1.0k	2.2	.28
GVCD105_-821K	820	1.0k	2.5	.24

### PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	10 $\pm$ 0.4	9 $\pm$ 0.4	5.4 $\pm$ 0.4	2.1 Typ.
inches	0.39 $\pm$ 0.016	0.35 $\pm$ 0.016	0.21 $\pm$ 0.016	0.083



### PAD LAYOUT

