

CTGS105F Series

From 4.7 μH to 820 μH

ENGINEERING KIT #7F



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.

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

Samples available. See website for ordering information.

SPECIFICATIONS

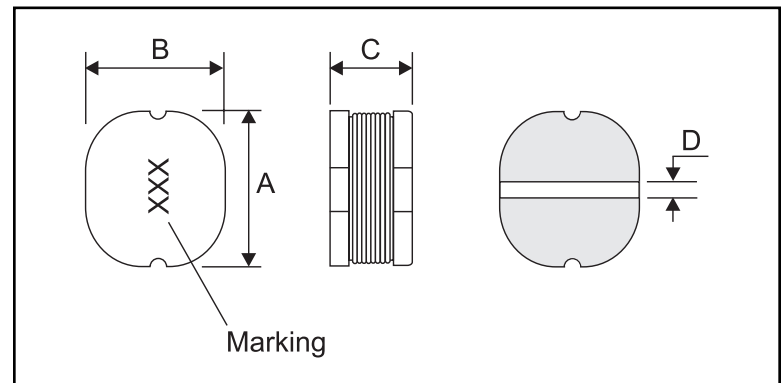
Parts are marked to indicate tolerance available.

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

Part Number	Inductance (μH)	L Test Freq. (.Hz)	DCR Max. (Ω)	Rated DC (A)
CTGS105F-4R7M	4.7	7.96M	.04	2.6
CTGS105F-100M	10	2.52M	.06	2.6
CTGS105F-120M	12	2.52M	.07	2.4
CTGS105F-150M	15	2.52M	.08	2.3
CTGS105F-180M	18	2.52M	.09	2.1
CTGS105F-220M	22	2.52M	.10	1.9
CTGS105F-270M	27	2.52M	.11	1.7
CTGS105F-330M	33	2.52M	.12	1.5
CTGS105F-390M	39	2.52M	.14	1.4
CTGS105F-470K	47	2.52M	.17	1.3
CTGS105F-560K	56	2.52M	.19	1.2
CTGS105F-680K	68	2.52M	.22	1.1
CTGS105F-820K	82	2.52M	.25	1.0
CTGS105F-101K	100	1.0k	.35	.97
CTGS105F-121K	120	1.0k	.40	.89
CTGS105F-151K	150	1.0k	.47	.78
CTGS105F-181K	180	1.0k	.63	.72
CTGS105F-221K	220	1.0k	.73	.66
CTGS105F-271K	270	1.0k	.97	.57
CTGS105F-331K	330	1.0k	1.1	.52
CTGS105F-391K	390	1.0k	1.3	.48
CTGS105F-471K	470	1.0k	1.5	.42
CTGS105F-561K	560	1.0k	1.9	.33
CTGS105F-681K	680	1.0k	2.2	.28
CTGS105F-821K	820	1.0k	2.5	.24

PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.
mm	10.0 $\pm$ 0.4	9.0 $\pm$ 0.4	5.4 $\pm$ 0.4	2.1
inches	0.39 $\pm$ 0.016	0.35 $\pm$ 0.016	0.21 $\pm$ 0.016	0.083



PAD LAYOUT

