CTGS54F Series

From 1.0 µH to 220 µH



SPECIFICATIONS

Please specify tolerance code when ordering.
CTGS54F-100_ ◄— K = ±10%, L = ±15%, M= ±20%

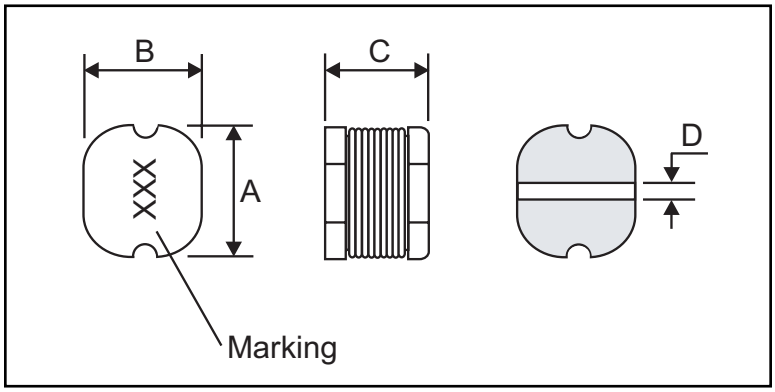
Part Number	Inductance (µH)	L Test Freq. (_Hz)	DCR Max. (Ω)	Rated DC (A)	Available Tolerance
CTGS54F-1R0M	1.0	7.96M	.015	5.9	M
CTGS54F-1R2M	1.2	7.96M	.020	5.2	M
CTGS54F-1R5M	1.5	7.96M	.025	4.7	M
CTGS54F-1R8M	1.8	7.96M	.030	4.0	M
CTGS54F-2R2M	2.2	7.96M	.035	3.8	M
CTGS54F-2R7M	2.7	7.96M	.040	3.4	M
CTGS54F-3R3M	3.3	7.96M	.045	3.3	M
CTGS54F-3R9M	3.9	7.96M	.050	2.9	M
CTGS54F-4R7M	4.7	7.96M	.060	2.8	M
CTGS54F-5R6M	5.6	7.96M	.070	2.4	M
CTGS54F-6R8M	6.8	7.96M	.080	2.1	M
CTGS54F-8R2M	8.2	7.96M	.090	2.0	M
CTGS54F-100_	10	2.52M	.10	1.4	K,L,M
CTGS54F-120_	12	2.52M	.12	1.4	K,L,M
CTGS54F-150_	15	2.52M	.14	1.3	K,L,M
CTGS54F-180_	18	2.52M	.15	1.2	K,L,M
CTGS54F-220_	22	2.52M	.18	1.1	K,L,M
CTGS54F-270_	27	2.52M	.20	.97	K,L,M
CTGS54F-330_	33	2.52M	.23	.88	K,L,M
CTGS54F-390_	39	2.52M	.32	.80	K,L,M
CTGS54F-470_	47	2.52M	.37	.72	K,L,M
CTGS54F-560_	56	2.52M	.42	.68	K,L,M
CTGS54F-680_	68	2.52M	.46	.61	K,L,M
CTGS54F-820_	82	2.52M	.60	.58	K,L,M
CTGS54F-101_	100	1.0k	.70	.52	K,L,M
CTGS54F-121_	120	1.0k	.93	.48	K,L,M
CTGS54F-151_	150	1.0k	1.1	.40	K,L,M
CTGS54F-181_	180	1.0k	1.4	.38	K,L,M
CTGS54F-221_	220	1.0k	1.6	.35	K,L,M

CHARACTERISTICS

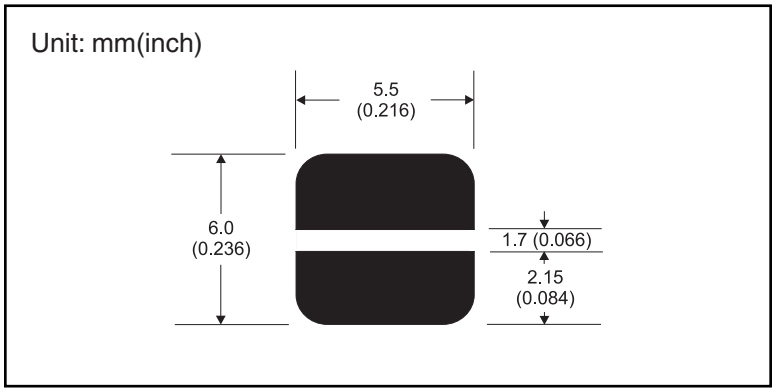
Description: SMD power inductor
Applications: VTR power supplies, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.
Operating Temperature: -40°C to +100°C
Inductance Tolerance: ±10%, ±15%, ±20%
Testing: Inductance is tested on an HP4284A or HP4285A at specified frequency.
Packaging: Tape & Reel.
Marking: Parts are marked with inductance code.
Rated DC: The value of current when the inductance is 10% lower than it's initial value at 0 Adc or D.C. current when at ΔT = 40°C whichever is lower.
Miscellaneous: **RoHS Compliant.**
Additional Information: Additional electrical & physical information available upon request.
Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.
mm	5.8±0.3	5.2±0.3	4.5±0.4	1.3
inches	0.23±0.012	0.21±0.012	0.18±0.016	0.051



PAD LAYOUT



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