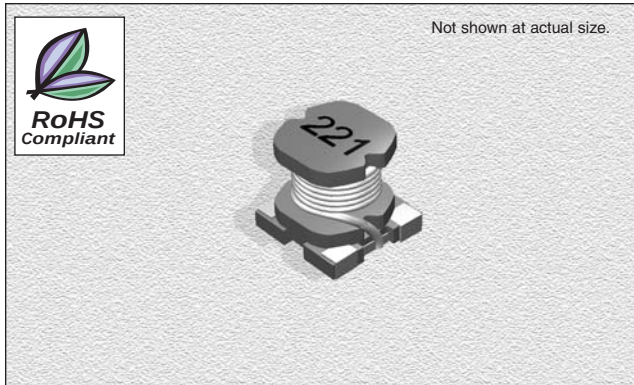


CTCR54F Series

From 10 μ H to 220 μ H

ENGINEERING KIT #39



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: $\pm 20\%$

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

Packaging: Tape & Reel

Marking: Marked with inductance code

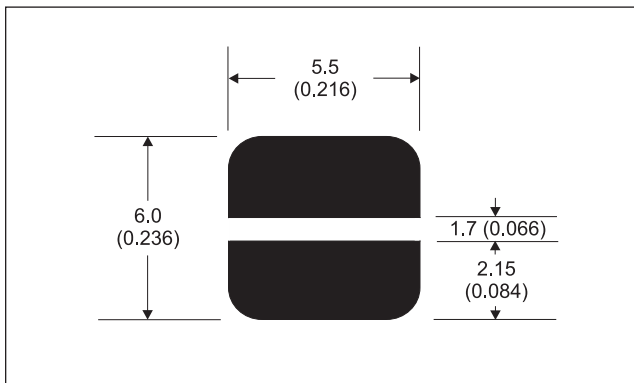
Rated DC: This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superimposition or D.C. current when at $\Delta T = 40^\circ\text{C}$, whichever is lower.

Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

RECOMMENDED LAND PATTERN



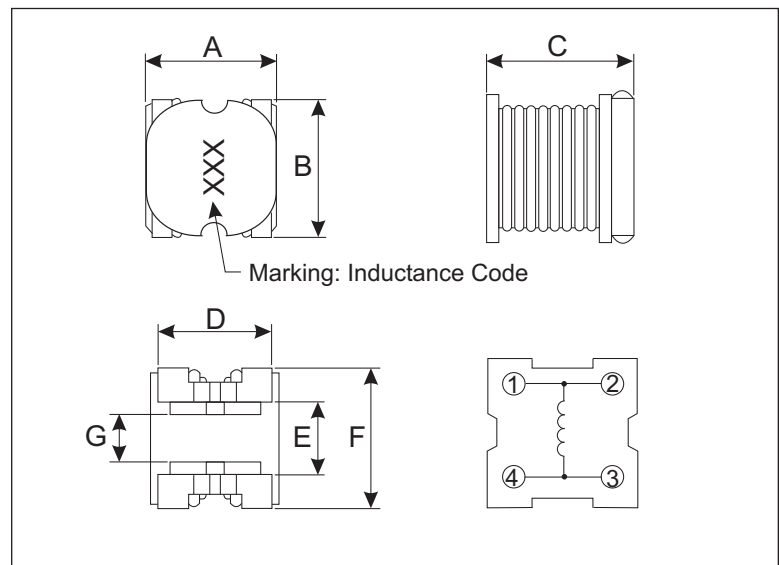
SPECIFICATIONS

Parts are only available in $\pm 20\%$ inductance tolerance.

Part Number	Inductance (μ H)	L Test Freq. (.Hz)	DCR Max. (Ω)	Rated DC (A)
CTCR54F-100M	10	2.52M	0.1	1.44
CTCR54F-120M	12	2.52M	0.12	1.4
CTCR54F-150M	15	2.52M	0.14	1.3
CTCR54F-180M	18	2.52M	0.15	1.23
CTCR54F-220M	22	2.52M	0.18	1.11
CTCR54F-270M	27	2.52M	0.2	0.97
CTCR54F-330M	33	2.52M	0.23	0.88
CTCR54F-390M	39	2.52M	0.32	0.80
CTCR54F-470M	47	2.52M	0.37	0.72
CTCR54F-560M	56	2.52M	0.42	0.68
CTCR54F-680M	68	2.52M	0.46	0.61
CTCR54F-820M	82	2.52M	0.60	0.58
CTCR54F-101M	100	1.0k	0.70	0.52
CTCR54F-121M	120	1.0k	0.93	0.48
CTCR54F-151M	150	1.0k	1.1	0.40
CTCR54F-181M	180	1.0k	1.38	0.38
CTCR54F-221M	220	1.0k	1.57	0.35

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F	G
mm	5.6	6.1	4.85	4.7	2.5	5.8	1.4
inches	0.220	0.240	0.191	0.185	0.098	0.228	0.055



06.11.08