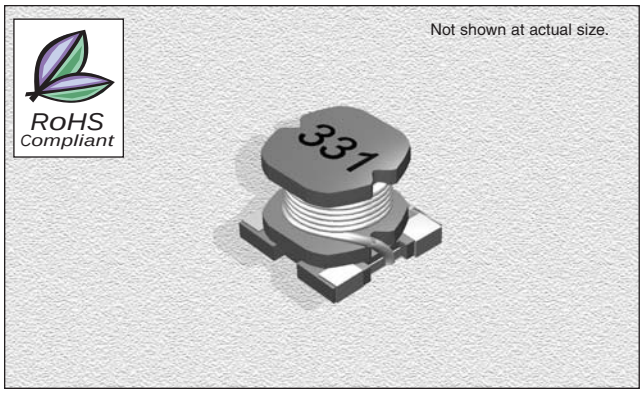
02-172F Series

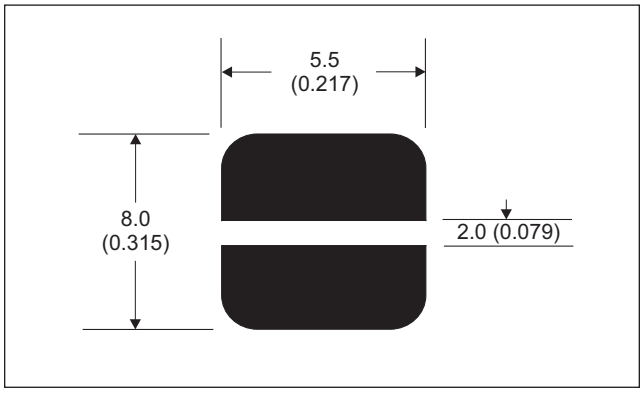
From 10 µH to 330 µH



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: ±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 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.

RECOMMENDED LAND PATTERN



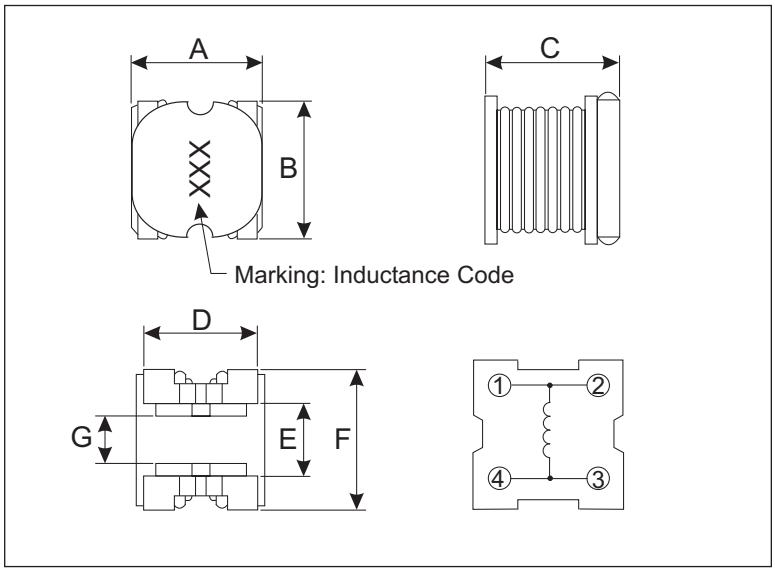
SPECIFICATIONS

Parts are only available in ±20% inductance tolerance.

Part Number	Inductance (µH)	L Test Freq. (_Hz)	DCR Max. (Ω)	Rated DC (A)
02-172F-100M	10	2.52M	0.08	1.44
02-172F-120M	12	2.52M	0.09	1.39
02-172F-150M	15	2.52M	0.1	1.24
02-172F-180M	18	2.52M	0.11	1.12
02-172F-220M	22	2.52M	0.13	1.07
02-172F-270M	27	2.52M	0.15	0.94
02-172F-330M	33	2.52M	0.17	0.85
02-172F-390M	39	2.52M	0.22	0.74
02-172F-470M	47	2.52M	0.25	0.68
02-172F-560M	56	2.52M	0.28	0.64
02-172F-680M	68	2.52M	0.33	0.59
02-172F-820M	82	2.52M	0.41	0.54
02-172F-101M	100	1.0k	0.48	0.51
02-172F-121M	120	1.0k	0.54	0.49
02-172F-151M	150	1.0k	0.75	0.40
02-172F-181M	180	1.0k	1.02	0.36
02-172F-221M	220	1.0k	1.2	0.31
02-172F-271M	270	1.0k	1.31	0.29
02-172F-331M	330	1.0k	1.5	0.28

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F	G
mm	7.3	8.1	4.5	4.7	4.3	7.8	2.4
inches	0.287	0.319	0.177	0.185	0.169	0.307	0.094



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