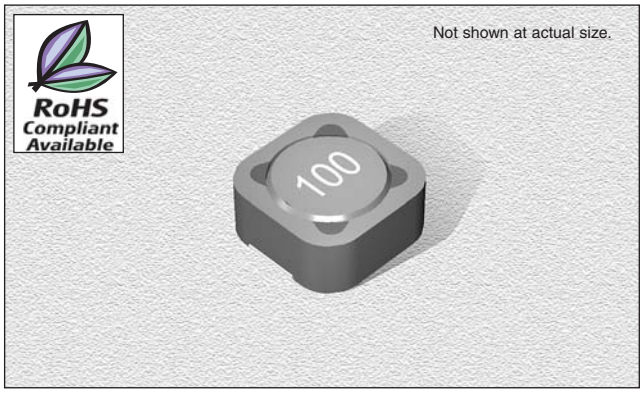
02-119 Series

From 1.3 µH to 1,000 µH

ENGINEERING KIT #23F



CHARACTERISTICS

Description: SMD (shielded) power inductor
Applications: Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.
Operating Temperature: -40°C to +100°C
Storage Temperature: -40°C to +100°C
Inductance Tolerance: +40%-20% , ±20%
Testing: Inductance is tested on an HP4284A at 1.0 kHz
Packaging: Tape & Reel
Marking: Parts are marked with inductance code
Miscellaneous: RoHS Compliant available
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

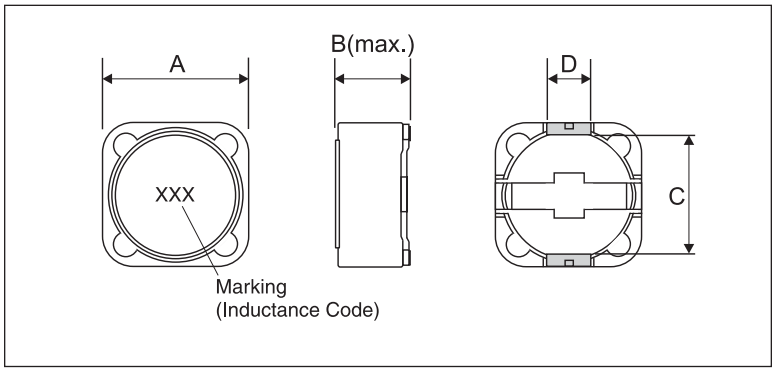
SPECIFICATIONS

Part numbers indicate tolerance available.
N = +40% -20% , M = ±20%
02-119F Please specify "F" for RoHS Compliant
*IDC: The DC current at which the inductance decreases to 75% of it's nominal value or when ΔT=40°C, whichever is lower (Ta=20°C).

Part Number	Inductance (µH)	L Test Freq. (kHz)	DCR Max. (Ω)	*IDC Max. (A)
02-119_-1R3N	1.3	1.0	.008	11.8
02-119_-2R1N	2.1	1.0	.011	9.8
02-119_-3R1N	3.1	1.0	.017	6.0
02-119_-4R4N	4.4	1.0	.020	5.0
02-119_-5R8N	5.8	1.0	.021	4.4
02-119_-7R5N	7.5	1.0	.024	4.2
02-119_-7R6N	7.6	1.0	.026	4.5
02-119_-100M	10	1.0	.03	4.0
02-119_-120M	12	1.0	.03	3.5
02-119_-150M	15	1.0	.03	3.3
02-119_-180M	18	1.0	.03	3.0
02-119_-220M	22	1.0	.04	2.8
02-119_-270M	27	1.0	.05	2.3
02-119_-330M	33	1.0	.06	2.1
02-119_-390M	39	1.0	.07	2.0
02-119_-470M	47	1.0	.08	1.8
02-119_-560M	56	1.0	.11	1.7
02-119_-680M	68	1.0	.12	1.5
02-119_-820M	82	1.0	.14	1.4
02-119_-101M	100	1.0	.16	1.3
02-119_-121M	120	1.0	.17	1.1
02-119_-151M	150	1.0	.23	1.0
02-119_-181M	180	1.0	.29	0.9
02-119_-221M	220	1.0	.40	0.8
02-119_-271M	270	1.0	.46	0.8
02-119_-331M	330	1.0	.51	0.7
02-119_-391M	390	1.0	.69	0.7
02-119_-471M	470	1.0	.77	0.6
02-119_-561M	560	1.0	.86	0.5
02-119_-681M	680	1.0	1.2	0.5
02-119_-821M	820	1.0	1.3	0.4
02-119_-102M	1000	1.0	1.5	0.4

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C	D
mm	12.8	6	7.6±0.2	5±0.2
inches	0.504	0.24	0.30±0.008	0.2±0.007



08.25.08

Copyright © 2008 by CT Magnetics, DBA Central Technologies. All rights reserved.
CT Magnetics reserves the right to make improvements or change specifications without notice
CENTRAL TECHNOLOGIES