

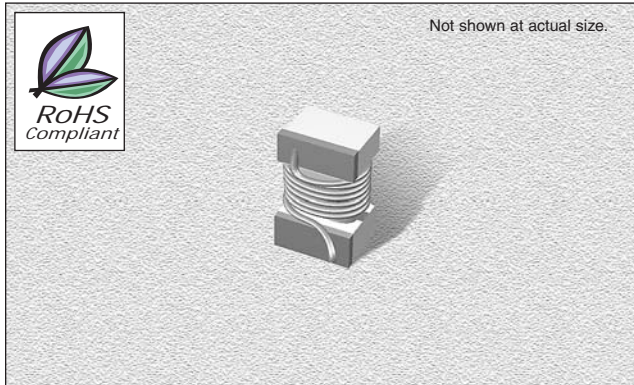
02-022F Series

From 1.0 nH to 120 nH

SPECIFICATIONS

Please specify tolerance code when ordering.
 02-022-2N0_ ← G = ±2%, H = ±3%, J = ±5%, K = ±10%
 * J or K only

ENGINEERING KIT #5F



CHARACTERISTICS

Description: SMD ceramic core wire-wound chip inductor

Applications: Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment.

Also, audio & video applications, the automotive electronics industry and high frequency applications

Operating Temperature: -40°C to +125°C

Inductance Tolerance: ±2%, ±3%, ±5%, ±10%

Testing: Inductance and Q are tested on an HP4287A at 250 MHz

Packaging: Tape & Reel

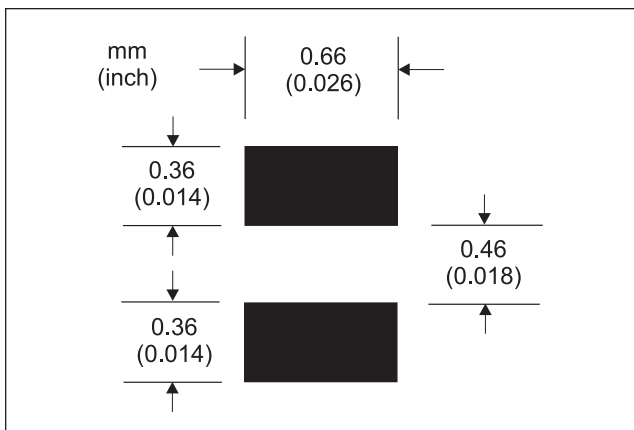
Marking: Reels are marked with inductance code and tolerance

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

Part Number	Inductance (nH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC (mA)
02-022F-1N0K	1.0	250	13	250	>6000	.04	1000
02-022F-1N8K	1.8	250	14	250	>6000	.07	1700
02-022F-1N9K	1.9	250	16	250	>6000	.07	1040
02-022F-2N0_*	2.0	250	16	250	>6000	.07	840
02-022F-2N2_*	2.2	250	16	250	>6000	.07	840
02-022F-2N4_*	2.4	250	16	250	>6000	.07	840
02-022F-2N7_*	2.7	250	16	250	>6000	.07	840
02-022F-3N3_*	3.3	250	19	250	>6000	.06	840
02-022F-3N6_	3.6	250	19	250	>6000	.06	840
02-022F-3N9_	3.9	250	17	250	5800	.11	800
02-022F-4N3_	4.3	250	18	250	5800	.11	800
02-022F-4N7_	4.7	250	20	250	5800	.11	800
02-022F-5N1_	5.1	250	21	250	5800	.11	800
02-022F-5N6_	5.6	250	20	250	4800	.08	760
02-022F-5N8_	5.8	250	20	250	4800	.083	760
02-022F-6N2_	6.2	250	20	250	4800	.08	760
02-022F-6N8_	6.8	250	23	250	4400	.14	680
02-022F-7N5_	7.5	250	23	250	4400	.14	680
02-022F-8N2_	8.2	250	24	250	4400	.14	680
02-022F-8N7_	8.7	250	18	250	4100	.20	480
02-022F-9N0_	9.0	250	22	250	4160	.10	680
02-022F-9N5_	9.5	250	18	250	4000	.20	480
02-022F-10N_	10	250	25	250	3700	.18	600
02-022F-11N_	11	250	25	250	3700	.18	600
02-022F-12N_	12	250	25	250	3600	.18	600
02-022F-13N_	13	250	26	250	3600	.18	600
02-022F-15N_	15	250	26	250	3200	.21	560
02-022F-16N_	16	250	26	250	3200	.21	560
02-022F-18N_	18	250	26	250	3000	.25	480
02-022F-19N_	19	250	24	250	3040	.20	480
02-022F-20N_	20	250	26	250	3000	.25	480
02-022F-22N_	22	250	26	250	2700	.36	375
02-022F-23N_	23	250	22	250	2720	.30	400
02-022F-24N_	24	250	26	250	2700	.36	375
02-022F-27N_	27	250	26	250	2500	.36	375
02-022F-30N_	30	250	26	250	2200	.41	320
02-022F-33N_	33	250	26	250	2200	.41	320
02-022F-36N_	36	250	26	250	2200	.46	310
02-022F-39N_	39	250	26	250	2200	.46	310
02-022F-40N_	40	250	24	250	2240	.44	320
02-022F-43N_	43	250	26	250	2100	.50	300
02-022F-47N_	47	250	26	250	2000	.55	260
02-022F-51N_	51	250	26	250	2000	.55	260
02-022F-56N_	56	250	26	250	1900	.77	200
02-022F-62N_	62	250	22	250	1620	1.12	100
02-022F-68N_	68	250	22	250	1620	1.1	100
02-022F-82N_*	82	250	26	250	1700	1.33	180
02-022F-R10_*	100	250	26	250	1300	1.87	160
02-022F-R12_*	120	250	26	250	1200	2.35	140

PAD LAYOUT



PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
mm	1±0.1	0.68±0.1	0.55±0.05	0.55±0.05	0.2±0.05	0.6
inches	0.04±0.004	0.03±0.004	0.02±0.001	0.02±0.001	0.007±0.001	0.02

Diagram showing the physical dimensions of the inductor. A is the height, B is the overall width, C is the width of the top pad, D is the width of the terminal, E is the height of the top pad, and F is the height of the terminal.

09.02.08

Manufacturer of Passive and Discrete Semiconductor Components

800-684-5322 Inside US 949-453-1811 Outside US

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