

SURFACE-MOUNT POWER INDUCTORS FASNR5020,5040 SERIES

FEATURES:

Low profile, low RDC, high current handling capacities
Magnetically shielded structure that ensures the high-density mounting configurations
Provided in embossed carrier tape packaging for use with automatic mounting machines

OPTIONS:

Ideally used in Portable telephones, PDA, DSC
DC-DC Converter, etc

COMMON APPLICATIONS:

SNR $\frac{3010}{a}$ $\frac{1R0}{c}$ $\frac{N}{d}$

a: Series name

b: Product dimensions

c: Inductance Value [1R0:1.0uH; 100; 10uH; 101:100uH]

d: Inductance Tolerance [K:10%; M:20%; N:30%]

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)	DCR (mΩ) Max	Isat (A)
FASNR5020-1R0N	1.0	26	4.33
FASNR5020-1R5N	1.5	34	4.10
FASNR5020-2R2N	2.2	50	3.60
FASNR5020-3R3N	3.3	59	3.00
FASNR5020-4R7N	4.7	78	2.50
FASNR5020-6R8N	6.8	108	2.05
FASNR5020-100M	10	156	1.44
FASNR5020-150M	15	234	1.40
FASNR5020-220M	22	294	1.15
FASNR5020-270M	27	390	1.05
FASNR5020-330M	33	465	1.00
FASNR5020-470M	47	657	0.82
FASNR5020-680M	68	835	0.59
FASNR5020-101M	100	1328	0.55
FASNR5020-221M	220	2860	0.28
FASNR5020-102K	1000	18200	0.10

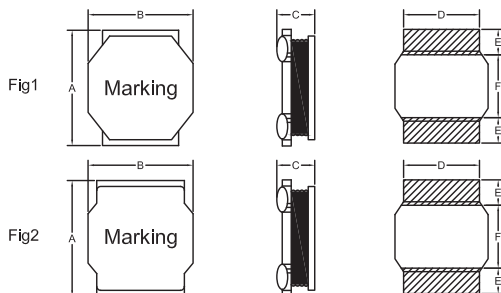
Part Number	Inductance (uH)	DCR (mΩ) Max	Isat (A)
FASNR5040-1R0N	1.0	18	7.35
FASNR5040-1R5N	1.5	28	5.00
FASNR5040-2R2N	2.2	28	4.90
FASNR5040-3R3N	3.3	34	3.95
FASNR5040-4R7N	4.7	42	3.50
FASNR5040-6R8N	6.8	59	2.90
FASNR5040-100M	10	78	2.30
FASNR5040-150M	15	104	2.00
FASNR5040-220M	22	169	1.60
FASNR5040-270M	27	208	1.40
FASNR5040-330M	33	234	1.30
FASNR5040-470M	47	403	1.02
FASNR5040-560M	56	442	1.00
FASNR5040-680M	68	650	0.85
FASNR5040-101M	100	728	0.66
FASNR5040-221M	220	2340	0.40

TEST CONDITIONS

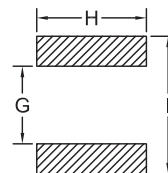
L = 8.2uH TEST FREQUENCY AT 100KHz/0.25V.

L > 8.2uH TEST FREQUENCY AT 1KHz/0.25V.

TECHNICAL INFORMATION



PHYSICAL CHARACTERISTICS



DIMENSIONS IN mm

Part number	A	B	C	D	E	F	G	H	I	FIG
FASNR5020	5.0±0.2	5.0±0.2	2.0 Max	4.0 REF	1.35 REF	2.3 REF	5.5 REF	4.3 REF	2.0 REF	2
FASNR5040	5.0±0.2	5.0±0.2	4.0 Max	4.0 REF	1.5 REF	2.0 REF	5.5 REF	4.3 REF	1.7 REF	1