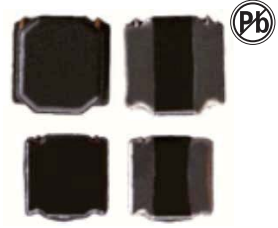


SURFACE-MOUNT POWER INDUCTORS FASNR4012,4018 SERIES



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:

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

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]
FASNR4012-1R0N	1.0	65	2.61
FASNR4012-1R5N	1.5	85	2.10
FASNR4012-2R2N	2.2	104	1.76
FASNR4012-3R3N	3.3	147	1.25
FASNR4012-4R7N	4.7	163	1.15
FASNR4012-6R8N	6.8	260	0.95
FASNR4012-100M	10	345	0.80
FASNR4012-150M	15	442	0.56
FASNR4012-220M	22	611	0.54
FASNR4012-330M	33	1053	0.42
FASNR4012-470M	47	1430	0.35
FASNR4012-680M	68	1950	0.30

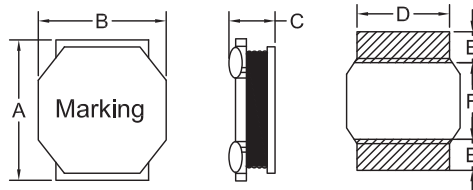
Part Number	Inductance [uH]	DCR [mΩ] Max	Isat [A]
FASNR4018-1R0N	1.0	33	4.50
FASNR4018-1R2N	1.2	48	3.50
FASNR4018-2R2N	2.2	59	2.70
FASNR4018-3R3N	3.3	84	2.15
FASNR4018-4R7N	4.7	117	2.00
FASNR4018-5R6N	5.6	130	1.65
FASNR4018-6R8N	6.8	143	1.60
FASNR4018-100M	10	234	1.30
FASNR4018-150M	15	325	0.95
FASNR4018-220M	22	468	0.80
FASNR4018-330M	33	689	0.65
FASNR4018-470M	47	845	0.57
FASNR4018-680M	68	1300	0.46
FASNR4018-101M	100	1950	0.41
FASNR4018-151M	150	3120	0.32
FASNR4018-221M	220	4800	0.28

TEST CONDITIONS

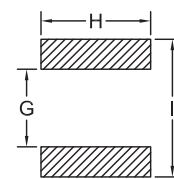
L = 8.2uH TEST FREQUENCY AT 100KHz/0.25V.

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
FASNR4012	4.0±0.2	4.0±0.2	1.35 Max	3.5 REF	1.25 REF	1.5 REF	4.5 REF	3.8 REF	1.2 REF
FASNR4018	4.0±0.2	4.0±0.2	1.8 Max	3.5 REF	1.2 REF	1.6 REF	4.5 REF	3.8 REF	1.3 REF