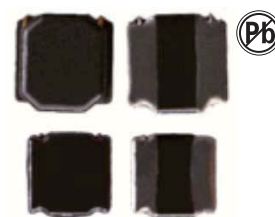


# SURFACE-MOUNT POWER INDUCTORS

## FASNR4030,5012 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  $\frac{3010}{a}$   $\frac{1R0}{b}$   $\frac{N}{c}$   $\frac{N}{d}$

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]
FASNR4030-1R0N	1.0	28.6	5.00
FASNR4030-1R5N	1.5	42	4.80
FASNR4030-2R2N	2.2	46	4.50
FASNR4030-3R3N	3.3	65	3.00
FASNR4030-4R7N	4.7	78	2.90
FASNR4030-6R8N	6.8	130	2.20
FASNR4030-100M	10	156	2.00
FASNR4030-150M	15	260	1.70
FASNR4030-220M	22	293	1.30
FASNR4030-330M	33	468	1.10
FASNR4030-470M	47	598	0.98
FASNR4030-560M	56	685	0.88
FASNR4030-680M	68	1087	0.77
FASNR4030-101M	100	1443	0.70
FASNR4030-151M	150	1820	0.50
FASNR4030-220M	220	4550	0.33

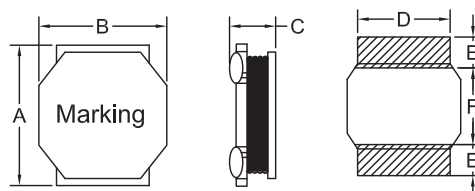
Part Number	Inductance [uH]	DCR [mΩ] Max	Isat [A]
FASNR5012-1R0N	1.0	78	4.00
FASNR5012-1R5N	1.5	85	3.20
FASNR5012-2R2N	2.2	120	3.10
FASNR5012-3R3N	3.3	200	2.20
FASNR5012-4R7N	4.7	230	1.98
FASNR5012-6R8N	6.8	390	1.50
FASNR5012-100M	10	624	1.40
FASNR5012-150M	15	804	1.20
FASNR5012-220M	22	1300	1.10

### TEST CONDITIONS

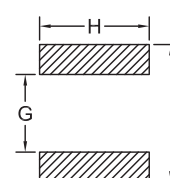
L = 8.2uH TEST FREQUENCY AT 100KHz/0.25V.

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
FASNR4030	4.0±0.2	4.0±0.2	3.0 Max	3.5 REF	1.35 REF	1.3 REF	4.5 REF	3.8 REF	1.0 REF
FASNR5012	5.0±0.2	5.0±0.2	1.3 Max	4.0 REF	1.5 REF	2.0 REF	5.5 REF	4.3 REF	1.7 REF