

# SURFACE-MOUNT POWER INDUCTORS FASNR6060,8040 SERIES



## FEATURES:

Low profile, low R<sub>DC</sub>, 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]
FASNR6060-1R0N	1.0	10	10.0
FASNR6060-2R0N	2.0	20	8.80
FASNR6060-2R2N	2.2	20	8.80
FASNR6060-3R3N	3.3	25	7.50
FASNR6060-4R7N	4.7	32.5	6.80
FASNR6060-6R8N	6.8	40	5.90
FASNR6060-100M	10	72	4.60
FASNR6060-150M	15	97.5	3.80
FASNR6060-220M	22	110.5	3.40
FASNR6060-330M	33	156	2.80

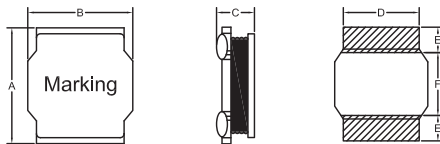
Part Number	Inductance [uH]	DCR [mΩ] Max	Isat [A]
FASNR8040-1R0N	1.0	9.1	10.15
FASNR8040-1R5N	1.5	13	8.15
FASNR8040-2R2M	2.2	15.6	8.00
FASNR8040-3R3M	3.3	22.1	6.50
FASNR8040-4R7M	4.7	24.7	5.90
FASNR8040-6R8M	6.8	31.2	4.95
FASNR8040-100M	10	52	4.30
FASNR8040-150M	15	61	2.95
FASNR8040-220M	22	85.8	2.50
FASNR8040-330M	33	143	2.07
FASNR8040-470M	47	195	1.75
FASNR8040-680M	68	255	1.45
FASNR8040-101M	100	377	1.15
FASNR8040-221M	220	780	0.85
FASNR8040-331M	330	1157	0.65
FASNR8040-471M	470	1950	0.55
FASNR8040-681M	680	2650	0.48

## TEST CONDITIONS

L = 82uH TEST FREQUENCY AT 100KHz/0.25V.

L > 82uH TEST FREQUENCY AT 1KHz/0.25V.

## TECHNICAL INFORMATION



### DIMENSIONS IN mm

Part number	A	B	C	D	E	F	G	H	I
FASNR6060	6.0±0.2	6.0±0.2	6.3 Max	5.0 REF	1.65 REF	2.7 REF	6.5 REF	5.3 REF	2.4 REF
FASNR8040	8.0±0.2	8.0±0.2	4.2 Max	6.3 REF	2.45 REF	3.1 REF	8.5 REF	6.6 REF	2.8 REF

## PHYSICAL CHARACTERISTICS

