

# SURFACE-MOUNT POWER INDUCTORS FASNR3010,3012 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]
FASNR3010-1R0N	1.0	85	1.40
FASNR3010-1R5N	1.5	104	1.27
FASNR3010-2R2N	2.2	143	1.15
FASNR3010-3R3N	3.3	189	0.97
FASNR3010-4R7N	4.7	293	0.75
FASNR3010-6R8N	6.8	397	0.55
FASNR3010-100M	10	520	0.55
FASNR3010-150M	15	850	0.42
FASNR3010-220M	22	1300	0.35
FASNR3010-330M	33	2050	0.29
FASNR3010-470M	47	2535	0.22

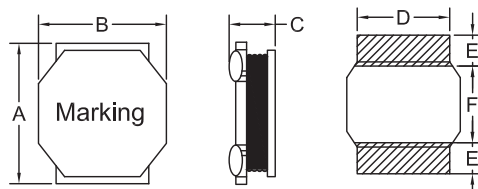
Part Number	Inductance [uH]	DCR [mΩ] Max	Isat [A]
FASNR3012-1R0N	1.0	60	2.20
FASNR3012-1R5N	1.5	63	1.62
FASNR3012-2R2N	2.2	105	1.20
FASNR3012-3R3N	3.3	140	1.05
FASNR3012-4R7N	4.7	168	0.90
FASNR3012-6R8N	6.8	266	0.75
FASNR3012-100M	10	358	0.60
FASNR3012-150M	15	486	0.45
FASNR3012-220M	22	872	0.42
FASNR3012-330M	33	1182	0.36
FASNR3012-470M	47	1485	0.27
FASNR3012-680M	68	2255	0.24
FASNR3012-101M	100	3861	0.21

## TEST CONDITIONS

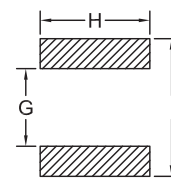
L = 8.2uH TEST FREQUENCY AT 100KHz/0.25V.

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
FASNR3010	3.0±0.2	3.0±0.2	1.2 Max	2.5 REF	0.9 REF	1.2 REF	3.5 REF	2.8 REF	0.9 REF
FASNR3012	3.0±0.2	3.0±0.2	1.2 Max	2.5 REF	0.9 REF	1.2 REF	3.5 REF	3.0 REF	0.9 REF