

SURFACE-MOUNT POWER INDUCTORS FASNR6045,6050 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:1.0%;M:20%;N:30%]

ELECTRICAL CHARACTERISTICS

Part Number	Inductance [uH]	DCR [mΩ] Max	Isat [A]
FASNR6045-1R0N	1.0	14.3	9.85
FASNR6045-1R5N	1.5	15.6	9.00
FASNR6045-1R8N	1.8	23.4	7.00
FASNR6045-2R2N	2.2	23.4	6.90
FASNR6045-3R3N	3.3	27.3	5.90
FASNR6045-4R7N	4.7	33.8	5.00
FASNR6045-5R6N	5.6	36.4	4.27
FASNR6045-6R8N	6.8	40.3	3.90
FASNR6045-8R2N	8.2	59.8	3.30
FASNR6045-100M	10	59.8	3.30
FASNR6045-120M	12	78	2.80
FASNR6045-150M	15	85	2.58
FASNR6045-220M	22	150	2.08
FASNR6045-270M	27	156	1.90
FASNR6045-330M	33	182	1.65
FASNR6045-470M	47	260	1.44
FASNR6045-680M	68	377	1.40
FASNR6045-101M	100	541	0.98
FASNR6045-121M	120	606	0.88
FASNR6045-151M	150	754	0.80
FASNR6045-221M	220	1044	0.72
FASNR6045-331M	330	2600	0.50
FASNR6045-102K	1000	6760	0.24

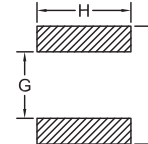
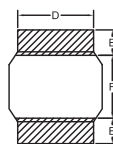
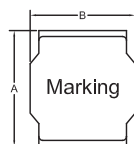
Part Number	Inductance [uH]	DCR [mΩ] Max	Isat [A]
FASNR6050-2R2M	2.2	20	8.50
FASNR6050-3R3M	3.3	26	7.20
FASNR6050-4R7M	4.7	36	6.40
FASNR6050-6R8M	6.8	46	5.20
FASNR6050-100M	10	60	4.20
FASNR6050-150M	15	90	3.30
FASNR6050-220M	22	120	3.10
FASNR6050-330M	33	175	2.20

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
FASNR6045	6.0±0.2	6.0±0.2	4.5Max	5.0 REF	1.65 REF	2.7 REF	6.5 REF	5.3 REF	2.4 REF
FASNR6050	6.0±0.2	6.0±0.2	5.0Max	5.0 REF	1.85 REF	2.3 REF	6.5 REF	5.3 REF	2.0 REF

PHYSICAL CHARACTERISTICS