



## SBS7030 SERIES ~ Shielded SMD Power Inductors

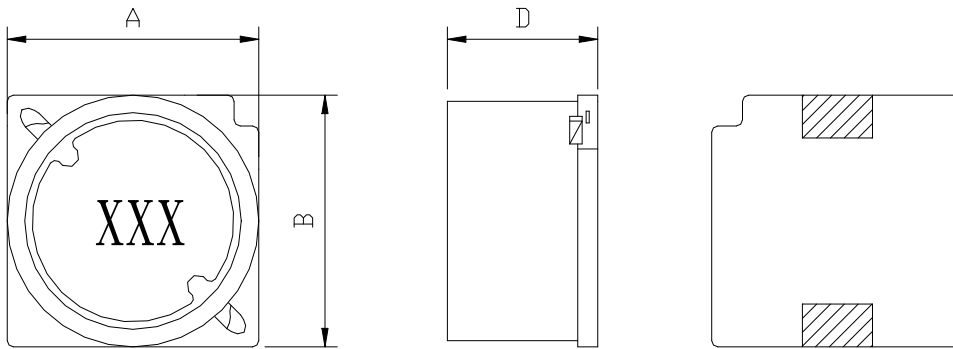


### PART NUMBERING SYSTEM

<b>SBS</b>	<b>7030</b>	—	<b>6R8M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

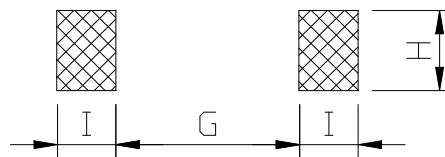
UNIT : mm



A=7.2 Max. B=7.2 Max. D=3.22 Max.

### RECOMMENDED PATTERNS

UNIT : mm



G=4.9 H=2.2 I=1.5

### FEATURES

- Magnetically shielded construction
- Suitable for large current
- Ideal for a variety of DC-DC converter inductor applications .
- RoHS compliant .

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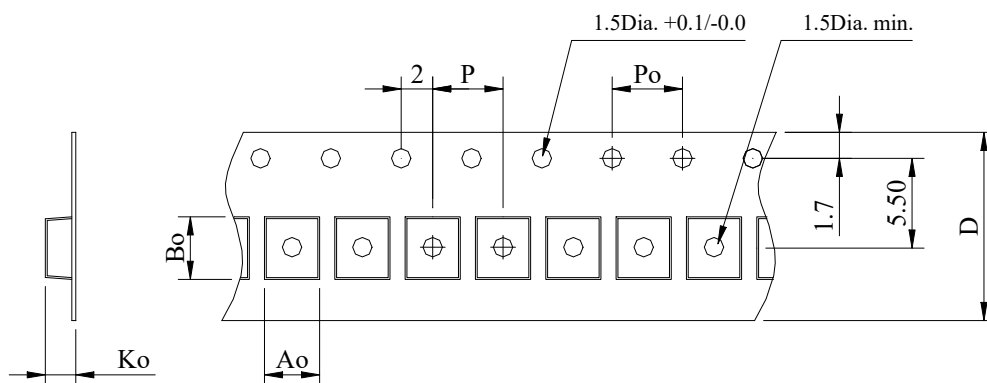


### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu\text{H}$ )	DCR ( $\Omega$ ) (max)	IDC (A) (max)	TEST FREQ. ( f )
SBS7030-3R3M-LF	3.3 $\pm$ 20%	0.0276	1.8	100KHz
SBS7030-4R7M-LF	4.7 $\pm$ 20%	0.0432	1.6	100KHz
SBS7030-6R8M-LF	6.8 $\pm$ 20%	0.0492	1.5	100KHz
SBS7030-100M-LF	10 $\pm$ 20%	0.0636	1.3	100KHz
SBS7030-150M-LF	15 $\pm$ 20%	0.101	1.0	100KHz
SBS7030-220M-LF	22 $\pm$ 20%	0.132	0.86	100KHz
SBS7030-330M-LF	33 $\pm$ 20%	0.192	0.65	100KHz
SBS7030-470M-LF	47 $\pm$ 20%	0.288	0.57	100KHz
SBS7030-680M-LF	68 $\pm$ 20%	0.372	0.49	100KHz
SBS7030-101M-LF	100 $\pm$ 20%	0.540	0.35	100KHz

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40 $^{\circ}\text{C}$  to +125 $^{\circ}\text{C}$  ,
- Electrical specifications at 25 $^{\circ}\text{C}$ .

### PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D $\pm$ 0.3
13"	1,000	7.50	7.50	3.90	8.00	4.00	12.0