



## High Current SMD Power Inductors - SEP3015EXS SERIES



### PART NUMBERING SYSTEM

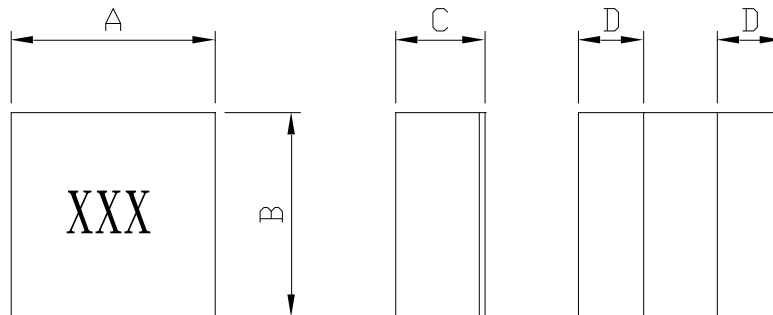
<b>SEP</b>	<b>3015EXS</b>	—	<b>R47M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### FEATURES :

- Magnetically High Current Power Inductors .
- Low profile ( 1.5mm max. height ) and 3.2 mm max. square compact original design .
- Low acoustic noise and low leakage flux noise by shielded construction .
- Halogen Free , 100% lead ( Pb ) Free and RoHS compliant .

### SHAPES AND DIMENSIONS :

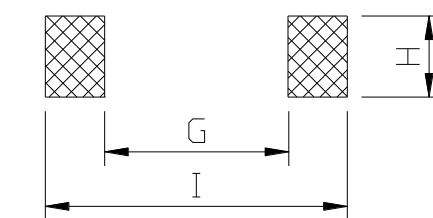
UNIT : mm



**A=3.0±0.2 B=3.0±0.2 C=1.5 Max. D=1.05 Ref.**

### RECOMMENDED PATTERNS

UNIT : mm



**H=3.0 G= 0.8 I = 3.0**



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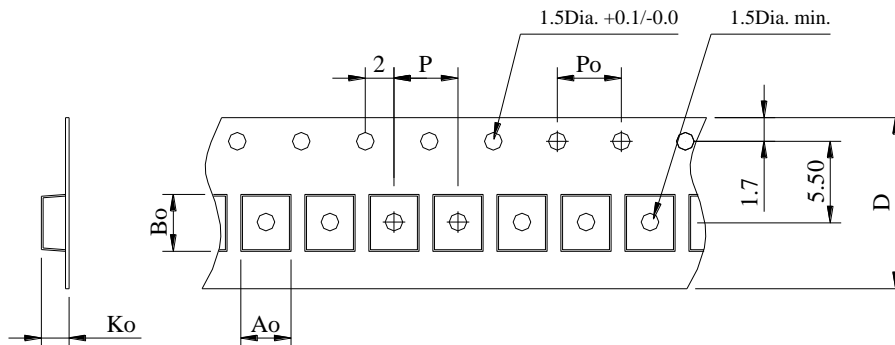


### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat ( A ) (Typ.)	Irms ( A ) (Typ.)	DCR (mΩ) (Typ.)	TEST FREQ. ( Freq.)
SEP3015EXS-R15M-LF	0.15±20%	16.0	12.0	5.0	1MHz/1V
SEP3015EXS-R47M-LF	0.47±20%	10.0	9.0	9.0	1MHz/1V
SEP3015EXS-1R0M-LF	1.0±20%	7.0	6.0	18.0	1MHz/1V
SEP3015EXS-2R2M-LF	2.2±20%	5.0	4.5	42.0	1MHz/1V
SEP3015EXS-4R7M-LF	4.7±20%	4.0	3.5	87.0	1MHz/1V
SEP3015EXS-6R8M-LF	6.8±20%	3.5	2.5	160	1MHz/1V
SEP3015EXS-100M-LF	10±20%	2.8	2.0	185	1MHz/1V
SEP3015EXS-220M-LF	22±20%	1.6	1.2	580	1MHz/1V

- Isat : DC current at which the inductance drops 30% (Max.) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.

### PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
7"	3,000	3.4±0.1	3.4±0.1	1.5±0.1	8±0.1	4.0±0.1	12±0.3