



## SBS12565 SERIES –Shielded SMD Power Inductors

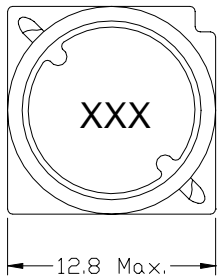


RoHS Compliant

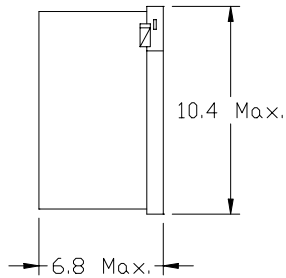
### PART NUMBERING SYSTEM

<b>SBS</b>	<b>1 2 5 6 5</b>	-	<b>1 0 0 M</b>	-	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

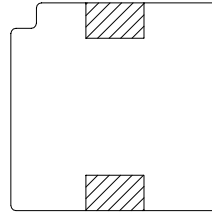
TOP VIEW



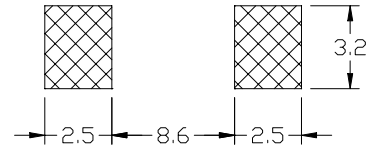
FRONT VIEW



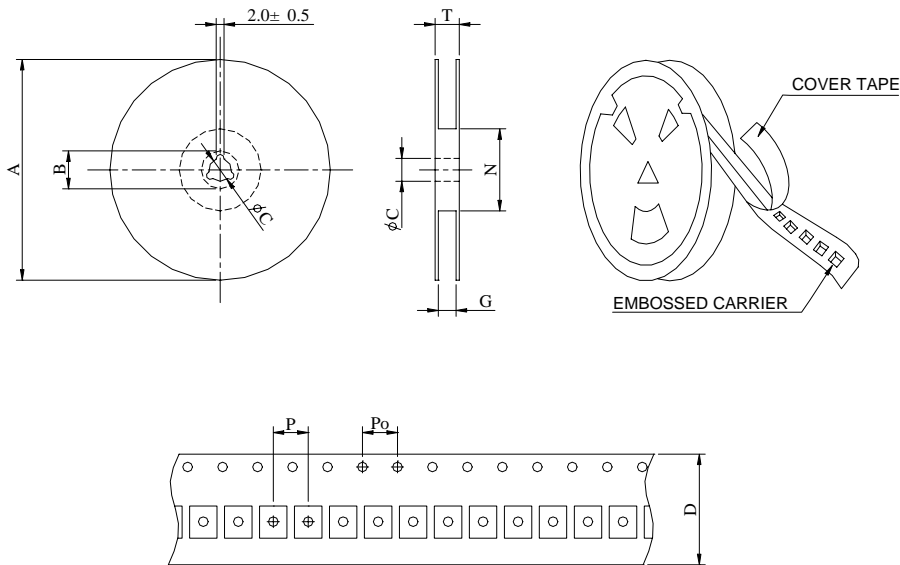
BOTTOM VIEW



PCB PATTERN



### PACKAGING SPECIFICATION



SERIES	STAYLE	Q ' TY (PCS)	DIMENSIONS (m/m)								
			A	B	C	D	G	N <sup>0</sup>	P	Po	T
SBS12565	13-24	400	330	-	13.5	24	-	100	13	-	24.5



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RoHS Compliant

### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	IDC (A) (Max.)	TEST FREQ. ( f )
SBS12565-2R0N-LF	2.0 $\pm$ 30%	0.0014	10.0	1KHz
SBS12565-4R2N-LF	4.2 $\pm$ 30%	0.0018	7.3	1KHz
SBS12565-7R0N-LF	7.0 $\pm$ 30%	0.0213	5.7	1KHz
SBS12565-100M-LF	10 $\pm$ 20%	0.0243	5.0	1KHz
SBS12565-150M-LF	15 $\pm$ 20%	0.0285	4.2	1KHz
SBS12565-220M-LF	22 $\pm$ 20%	0.0380	3.5	1KHz
SBS12565-330M-LF	33 $\pm$ 20%	0.0488	2.8	1KHz
SBS12565-470M-LF	47 $\pm$ 20%	0.0694	2.4	1KHz
SBS12565-680M-LF	68 $\pm$ 20%	0.0945	2.0	1KHz
SBS12565-101M-LF	100 $\pm$ 20%	0.1476	1.6	1KHz
SBS12565-221M-LF	150 $\pm$ 20%	0.3276	1.0	1KHz

DC current at which the inductance drops 10% (typ) from its value without current.

Operating temperature range -20 to +105 ,

Electrical specifications at 25 .