

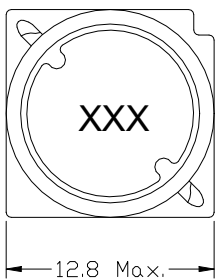
## SBS12575 SERIES ~ Shielded SMD Power Inductors



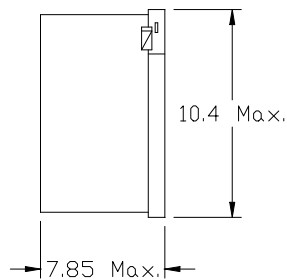
### PART NUMBERING SYSTEM

<b>SBS</b>	<b>12575</b>	—	<b>221M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

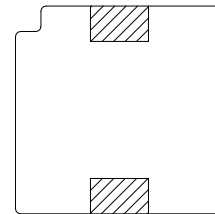
TOP VIEW



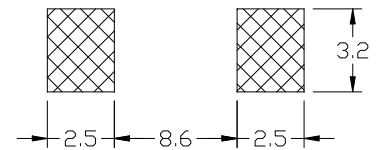
FRONT VIEW



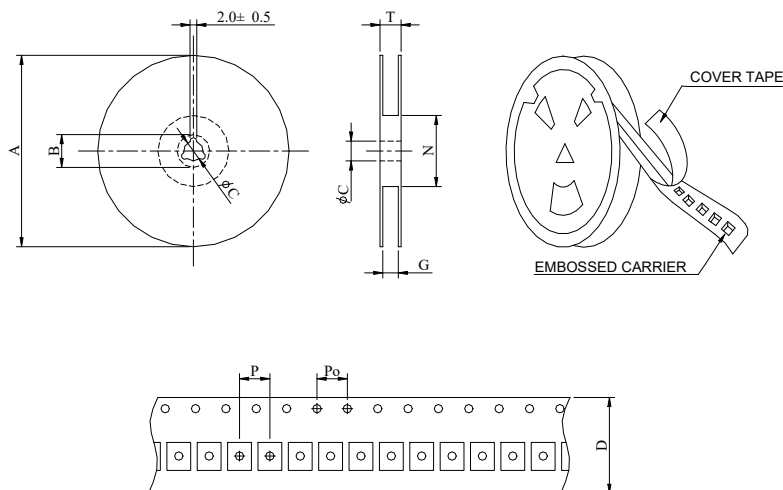
BOTTOM VIEW



PCB PATTERN



### PACKAGING SPECIFICATION



SERIES	STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)								
			A	B	C	D	G	N <sup>0</sup>	P	Po	T
SBS12575	13-24	400	330	-	13.5	24	-	100	13	-	24.5

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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	IDC (A) (Max.)	TEST FREQ. ( f )
SBS12575-1R2N-LF	1.2 $\pm$ 30%	0.0083	13	1KHz
SBS12575-2R7N-LF	2.7 $\pm$ 30%	0.0113	10	1KHz
SBS12575-3R9N-LF	3.9 $\pm$ 30%	0.0125	9.0	1KHz
SBS12575-5R6N-LF	5.6 $\pm$ 30%	0.0139	7.8	1KHz
SBS12575-6R8N-LF	6.8 $\pm$ 30%	0.0157	7.2	1KHz
SBS12575-100M-LF	10 $\pm$ 20%	0.0187	5.5	1KHz
SBS12575-150M-LF	15 $\pm$ 20%	0.0221	4.7	1KHz
SBS12575-220M-LF	22 $\pm$ 20%	0.0316	4.0	1KHz
SBS12575-330M-LF	33 $\pm$ 20%	0.0474	3.2	1KHz
SBS12575-470M-LF	47 $\pm$ 20%	0.0634	2.7	1KHz
SBS12575-680M-LF	68 $\pm$ 20%	0.0935	2.0	1KHz
SBS12575-101M-LF	100 $\pm$ 20%	0.150	1.9	1KHz
SBS12575-151M-LF	150 $\pm$ 20%	0.210	1.5	1KHz
SBS12575-221M-LF	220 $\pm$ 20%	0.309	1.3	1KHz

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