

■ Features:

- Miniature size
- Available on tape and reel for automatic insertion
- Lead free part available

■ Applications:

- DC to DC converters for portable equipment , camcorder , LCD television set , digital camera , P.D.A., notebook

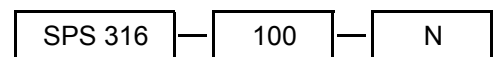
Dimensions in mm

TYPE	A	B	C
SPS 316	4.0 Max	4.0 Max	1.8 Max
SPS 328	4.0 Max	4.0 Max	3.0 Max

■ Specifications

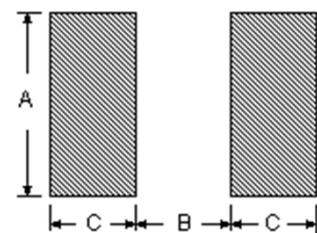
Inductance		SPS 316		SPS 328	
		DCR	Irms	DCR	Irms
TYPE	uH	(Ω)Max	(A)Max	(Ω)Max	(A)Max
1R0N	1.0	0.050	1.90	0.064	2.10
1R5N	1.5	0.052	1.55		
1R8N	1.8			0.064	2.10
2R2N	2.2	0.072	1.20	0.080	1.80
3R0N	3.0				
3R3N	3.3	0.085	1.10	0.095	1.40
4R7N	4.7	0.105	0.90	0.110	1.30
5R6N	5.6			0.120	1.20
6R8N	6.8	0.170	0.73	0.130	1.00
100N	10	0.210	0.55	0.150	0.70
150N	15	0.295	0.45	0.230	0.60
180N	18			0.255	0.50
220N	22	0.430	0.40	0.360	0.40
330N	33	0.675	0.32	0.570	0.35
470N	47			0.920	0.30
680N	68				

■ Parts code:



Type Inductance code Tolerance

■ Recommended Land Pattern:



Type	A	B	C
SPS 316	4.6	1.0	1.65
SPS 328	4.6	1.0	1.65

- The current when the inductance becomes 35% lower than its initial value or the actual current when the temperature of coil increases to $\Delta T=40^{\circ}\text{C}$.

■ Notes:

1. Test Freq. : 100KHz / 0.1V
2. PACKAGING: 3000Pcs/Reel
3. Tolerance: M=±20% , N=±30%
4. Operating temperature range: -40~ + 105°C