

■ 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

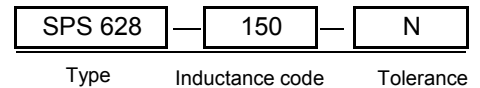
Dimensions in mm

TYPE	A	B	C
SPS 628	6.7±0.5	6.7±0.5	3.0 Max
SPS 638	6.7±0.5	6.7±0.5	4.0 Max

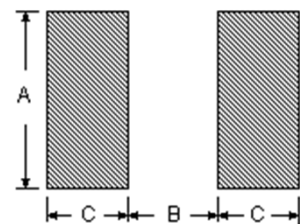
■ Specifications

Inductance		SPS 628		SPS 638	
TYPE	uH	DCR (Ω)Max	I _{rms} (A)Max	DCR (Ω)Max	I _{rms} (A)Max
3R0N	3.0	0.024	3.00		
3R3N	3.3			0.020	3.50
3R9N	3.9	0.027	2.60		
5R0N	5.0	0.031	2.40	0.024	2.90
6R0N	6.0	0.035	2.25		
6R2N	6.2			0.027	2.50
7R3N	7.3	0.054	2.10		
7R4N	7.4			0.031	2.30
8R6N	8.6	0.058	1.85		
8R7N	8.7			0.034	2.20
100M	10	0.065	1.70	0.038	2.00
120M	12	0.070	1.55	0.053	1.70
150M	15	0.084	1.40	0.057	1.60
180M	18	0.095	1.32	0.092	1.50
220M	22	0.128	1.20	0.096	1.30
270M	27	0.142	1.05	0.109	1.20
330M	33	0.165	0.97	0.124	1.10
390M	39	0.210	0.86	0.138	1.00
470M	47	0.238	0.80	0.155	0.95
560M	56	0.277	0.73	0.202	0.85
680M	68	0.304	0.65	0.234	0.75
820M	82	0.390	0.60	0.324	0.70
101M	100	0.535	0.54	0.358	0.65
121M	120	0.750	0.51	0.470	0.59
151M	150	0.950	0.47	0.580	0.54
181M	180	1.200	0.41	0.690	0.49
221M	220	1.500	0.37	0.890	0.43
271M	270	1.700	0.33	1.290	0.40
331M	330	2.150	0.28	1.700	0.37
391M	390	2.250	2.70	1.750	0.34
471M	470	3.150	0.21	2.200	0.32
561M	560			2.850	0.29

■ Parts code:



■ Recommended Land Pattern:



Type	A	B	C
SPS 628	7.3	2	2.65
SPS 638	7.3	2	2.65

■ Notes:

1. Test Freq. :10Hz / 0.1V
2. PACKAGING: 1000Pcs/Reel
3. Tolerance: M=±20% , N=±30%
4. Operating temperature range:-40~+105°C

■ The current when the inductance becomes 35% lower than its initial value or the actual current when the temperature of coil increases to ΔT=40°C.