

**⊕ Feature**

- Low profile very effective in space-conscious applications.
- Low resistance and high energy storage.

**⊕ Applications**

VTR, OA equipment, digital camera, LCD TV, notebook PC, portable communication equipments, DC/DC converters, power supply

**⊕ Product Identification :**

**1**

**2**

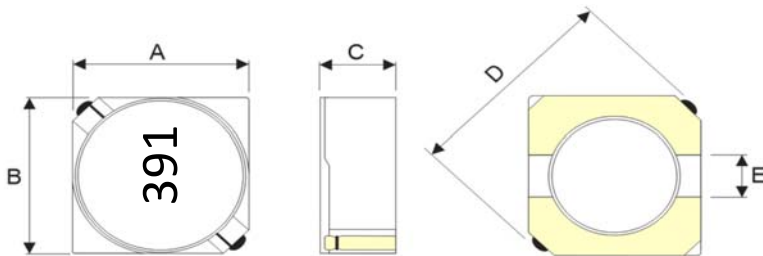
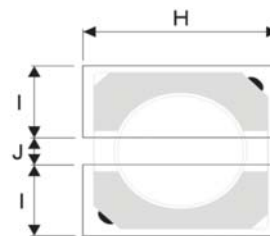
**3**

**4**

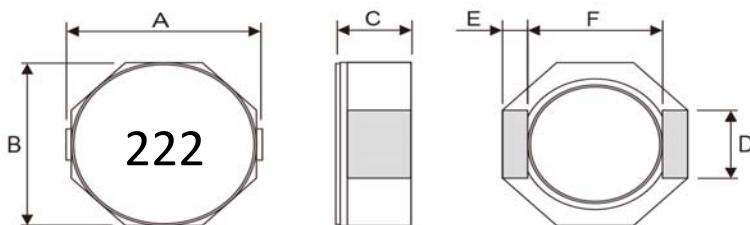
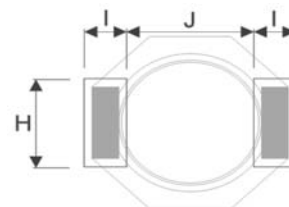
**5**

Series name	Dimensions(LxWxH)		Internal code
SPL	3D16	3.8*3.8*1.65mm	S=Standard
	105R	10.38*10.5*5.0mm	

Inductance		Tolerance	
1R0	1 $\mu$ H	M	20%
101	100 $\mu$ H	N	30%

**⊕ Shapes And Dimensions**

**⊕ Recommended PCB Pattern**


Part No.	Dimensions(mm)								
	A	B	C	D	E	H	I	J	
SPL3D16S	3.8±0.20	3.8±0.20	1.9 Max	5.5 Max	1.1±0.5	4.0 Ref	1.45 Ref	1.1 Ref	
SPL3D28S	3.8±0.20	3.8±0.20	3.0 Max	5.5 Max	1.1±0.5	4.0 Ref	1.45 Ref	1.1 Ref	
SPL4D18S	4.7±0.30	4.7±0.30	2.0 Max	6.9 Max	1.5±0.5	5.3 Ref	1.90 Ref	1.5 Ref	
SPL4D28S	4.7±0.30	4.7±0.30	3.0 Max	6.9 Max	1.5±0.5	5.3 Ref	1.90 Ref	1.5 Ref	
SPL5D18S	5.7±0.30	5.7±0.30	2.0 Max	8.2 Max	2.0±0.5	6.3 Ref	2.15 Ref	2.0 Ref	
SPL5D28S	5.7±0.30	5.7±0.30	3.0 Max	8.2 Max	2.0±0.5	6.3 Ref	2.15 Ref	2.0 Ref	
SPL6D28S	6.7±0.30	6.7±0.30	3.0 Max	9.5 Max	2.0±0.5	7.3 Ref	2.65 Ref	2.0 Ref	
SPL6D38S	6.7±0.30	6.7±0.30	4.0 Max	9.5 Max	2.0±0.5	7.3 Ref	2.65 Ref	2.0 Ref	

**⊕ Shapes And Dimensions**

**⊕ Recommended PCB Pattern**


Part No.	Dimensions(mm)								
	A	B	C	D	E	F	H	I	J
SPL8D28S	8.3 Max	8.3 Max	3.3 Max	2.5±0.5	1.2 Ref	6.3 Ref	2.8 Ref	2.0 Ref	6.1 Ref
SPL8D38S	8.3 Max	8.3 Max	4.0 Max	2.5±0.5	1.2 Ref	6.3 Ref	2.8 Ref	2.0 Ref	6.1 Ref
SPL8D43S	8.3 Max	8.3 Max	4.5 Max	2.5±0.5	1.2 Ref	6.3 Ref	2.8 Ref	2.0 Ref	6.1 Ref

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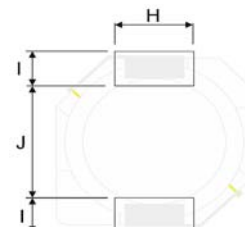
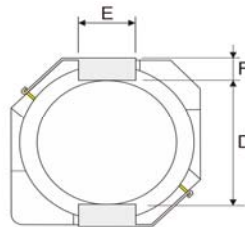
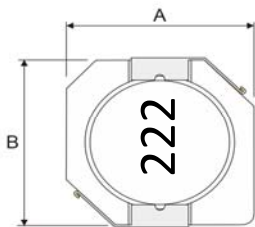
**3**

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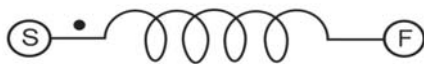
**5**

Series name	Dimensions(LxWxH)		Internal code
SPL	3D16	3.8*3.8*1.65mm	S=Standard
	105R	10.38*10.5*5.0mm	

Inductance		Tolerance	
1R0	1 $\mu$ H	M	20%
101	100 $\mu$ H	N	30%

**⊕ Shapes And Dimensions**

**⊕ Recommended PCB Pattern**

Part No.	Dimensions(mm)									
	A	B	C	D	E	F	H	I	J	
SPL103R	10.3 Max	10.5 Max	3.0 Max	7.7 $\pm$ 0.5	3.0 Ref	1.2 Ref	3.6 Ref	1.7 Ref	7.3 Ref	
SPL104R	10.3 Max	10.5 Max	4.0 Max	7.7 $\pm$ 0.5	3.0 Ref	1.2 Ref	3.6 Ref	1.7 Ref	7.3 Ref	
SPL105R	10.3 Max	10.5 Max	5.0 Max	7.7 $\pm$ 0.5	3.0 Ref	1.2 Ref	3.6 Ref	1.7 Ref	7.3 Ref	

**⊕ Equivalent Circuit Schematic :**

**⊕ Material List :**

No.	Location	Material
1	Core	Ferrite Ni-Zn core
2	Wire	Grade1,P180
3	Clip	Sn-Cu
4	Epoxy	G500HF
5	Solder	Sn99.3 Cu0.7
6	Ink	Black

1. Operating temperature -40°C ~ +125°C

2. Storage conditions -40°C ~ +125°C

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL3D16S-1R5N	1.5 $\pm$ 30%	1.80	55	100KHz/0.1V
SPL3D16S-3R3N	3.3 $\pm$ 30%	0.80	66	100KHz/0.1V
SPL3D16S-3R9N	3.9 $\pm$ 30%	0.75	81	100KHz/0.1V
SPL3D16S-4R7N	4.7 $\pm$ 30%	0.68	91	100KHz/0.1V
SPL3D16S-5R6N	5.6 $\pm$ 30%	0.62	102	100KHz/0.1V
SPL3D16S-6R8N	6.8 $\pm$ 30%	0.58	130	100KHz/0.1V
SPL3D16S-8R2N	8.2 $\pm$ 30%	0.51	140	100KHz/0.1V
SPL3D16S-100M	10.0 $\pm$ 20%	0.46	190	100KHz/0.1V
SPL3D16S-120M	12.0 $\pm$ 20%	0.42	205	100KHz/0.1V
SPL3D16S-150M	15.0 $\pm$ 20%	0.38	272	100KHz/0.1V
SPL3D16S-180M	18.0 $\pm$ 20%	0.34	327	100KHz/0.1V
SPL3D16S-220M	22.0 $\pm$ 20%	0.31	356	100KHz/0.1V
SPL3D16S-270M	27.0 $\pm$ 20%	0.28	470	100KHz/0.1V
SPL3D16S-330M	33.0 $\pm$ 20%	0.26	560	100KHz/0.1V
SPL3D16S-390M	39.0 $\pm$ 20%	0.24	700	100KHz/0.1V
SPL3D16S-470M	47.0 $\pm$ 20%	0.21	755	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL3D28S-6R8N	6.8 $\pm$ 30%	1.24	90	100KHz/0.1V
SPL3D28S-100M	10.0 $\pm$ 20%	0.50	92	100KHz/0.1V
SPL3D28S-120M	12.0 $\pm$ 20%	0.45	100	100KHz/0.1V
SPL3D28S-150M	15.0 $\pm$ 20%	0.40	113	100KHz/0.1V
SPL3D28S-180M	18.0 $\pm$ 20%	0.35	125	100KHz/0.1V
SPL3D28S-220M	22.0 $\pm$ 20%	0.33	146	100KHz/0.1V
SPL3D28S-270M	27.0 $\pm$ 20%	0.29	176	100KHz/0.1V
SPL3D28S-330M	33.0 $\pm$ 20%	0.28	214	100KHz/0.1V
SPL3D28S-390M	39.0 $\pm$ 20%	0.25	225	100KHz/0.1V
SPL3D28S-470M	47.0 $\pm$ 20%	0.23	304	100KHz/0.1V
SPL3D28S-560M	56.0 $\pm$ 20%	0.20	324	100KHz/0.1V
SPL3D28S-680M	68.0 $\pm$ 20%	0.19	472	100KHz/0.1V
SPL3D28S-820M	82.0 $\pm$ 20%	0.17	539	100KHz/0.1V
SPL3D28S-101M	100.0 $\pm$ 20%	0.16	608	100KHz/0.1V
SPL3D28S-121M	120.0 $\pm$ 20%	0.14	757	100KHz/0.1V
SPL3D28S-151M	150.0 $\pm$ 20%	0.12	882	100KHz/0.1V
SPL3D28S-181M	180.0 $\pm$ 20%	0.12	1130	100KHz/0.1V
SPL3D28S-221M	220.0 $\pm$ 20%	0.12	1269	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL4D18S-1R0N	1.0 $\pm$ 30%	1.72	45	100KHz/0.1V
SPL4D18S-2R2N	2.2 $\pm$ 30%	1.32	75	100KHz/0.1V
SPL4D18S-2R7N	2.7 $\pm$ 30%	1.28	105	100KHz/0.1V
SPL4D18S-3R3N	3.3 $\pm$ 30%	1.04	110	100KHz/0.1V
SPL4D18S-3R9N	3.9 $\pm$ 30%	0.88	155	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL4D18S-4R7N	4.7 $\pm$ 30%	0.84	162	100KHz/0.1V
SPL4D18S-5R6N	5.6 $\pm$ 30%	0.80	170	100KHz/0.1V
SPL4D18S-6R8N	6.8 $\pm$ 30%	0.76	200	100KHz/0.1V
SPL4D18S-8R2N	8.2 $\pm$ 30%	0.68	245	100KHz/0.1V
SPL4D18S-100M	10.0 $\pm$ 20%	0.61	200	100KHz/0.1V
SPL4D18S-120M	12.0 $\pm$ 20%	0.56	210	100KHz/0.1V
SPL4D18S-150M	15.0 $\pm$ 20%	0.50	240	100KHz/0.1V
SPL4D18S-180M	18.0 $\pm$ 20%	0.48	338	100KHz/0.1V
SPL4D18S-220M	22.0 $\pm$ 20%	0.41	397	100KHz/0.1V
SPL4D18S-270M	27.0 $\pm$ 20%	0.35	441	100KHz/0.1V
SPL4D18S-330M	33.0 $\pm$ 20%	0.32	694	100KHz/0.1V
SPL4D18S-390M	39.0 $\pm$ 20%	0.30	709	100KHz/0.1V
SPL4D18S-470M	47.0 $\pm$ 20%	0.28	922	100KHz/0.1V
SPL4D18S-560M	56.0 $\pm$ 20%	0.26	1080	100KHz/0.1V
SPL4D18S-680M	68.0 $\pm$ 20%	0.24	1300	100KHz/0.1V
SPL4D18S-820M	82.0 $\pm$ 20%	0.22	1550	100KHz/0.1V
SPL4D18S-101M	100.0 $\pm$ 20%	0.20	1730	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL4D28S-1R2N	1.2 $\pm$ 30%	2.56	24	100KHz/0.1V
SPL4D28S-1R8N	1.8 $\pm$ 30%	2.20	28	100KHz/0.1V
SPL4D28S-2R2N	2.2 $\pm$ 30%	2.04	31	100KHz/0.1V
SPL4D28S-2R7N	2.7 $\pm$ 30%	1.60	43	100KHz/0.1V
SPL4D28S-3R3N	3.3 $\pm$ 30%	1.57	49	100KHz/0.1V
SPL4D28S-3R9N	3.9 $\pm$ 30%	1.44	65	100KHz/0.1V
SPL4D28S-4R7N	4.7 $\pm$ 30%	1.32	72	100KHz/0.1V
SPL4D28S-5R6N	5.6 $\pm$ 30%	1.17	101	100KHz/0.1V
SPL4D28S-6R8N	6.8 $\pm$ 30%	1.12	109	100KHz/0.1V
SPL4D28S-8R2N	8.2 $\pm$ 30%	1.04	118	100KHz/0.1V
SPL4D28S-100M	10.0 $\pm$ 20%	1.00	128	100KHz/0.1V
SPL4D28S-120M	12.0 $\pm$ 20%	0.84	132	100KHz/0.1V
SPL4D28S-150M	15.0 $\pm$ 20%	0.76	149	100KHz/0.1V
SPL4D28S-180M	18.0 $\pm$ 20%	0.72	166	100KHz/0.1V
SPL4D28S-220M	22.0 $\pm$ 20%	0.70	235	100KHz/0.1V
SPL4D28S-270M	27.0 $\pm$ 20%	0.58	261	100KHz/0.1V
SPL4D28S-330M	33.0 $\pm$ 20%	0.56	378	100KHz/0.1V
SPL4D28S-390M	39.0 $\pm$ 20%	0.50	384	100KHz/0.1V
SPL4D28S-680M	68.0 $\pm$ 20%	0.35	699	100KHz/0.1V
SPL4D28S-820M	82.0 $\pm$ 20%	0.32	915	100KHz/0.1V
SPL4D28S-101M	100.0 $\pm$ 20%	0.29	1020	100KHz/0.1V
SPL4D28S-121M	120.0 $\pm$ 20%	0.27	1270	100KHz/0.1V
SPL4D28S-151M	150.0 $\pm$ 20%	0.24	1350	100KHz/0.1V
SPL4D28S-181M	180.0 $\pm$ 20%	0.22	1540	100KHz/0.1V
SPL4D28S-221M	220.0 $\pm$ 20%	0.20	1720	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL4D28S-271M	270.0 $\pm$ 20%	0.16	1950	100KHz/0.1V
SPL4D28S-331M	330.0 $\pm$ 20%	0.14	2660	100KHz/0.1V
SPL4D28S-391M	390.0 $\pm$ 20%	0.13	2830	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL5D18S-1R5N	1.5 $\pm$ 30%	3.12	36	100KHz/0.1V
SPL5D18S-2R2N	2.2 $\pm$ 30%	3.00	44	100KHz/0.1V
SPL5D18S-3R3N	3.3 $\pm$ 30%	2.40	55	100KHz/0.1V
SPL5D18S-4R7N	4.7 $\pm$ 30%	1.95	57	100KHz/0.1V
SPL5D18S-5R4N	5.4 $\pm$ 30%	1.60	76	100KHz/0.1V
SPL5D18S-6R2N	6.2 $\pm$ 30%	1.40	96	100KHz/0.1V
SPL5D18S-6R8N	6.8 $\pm$ 30%	1.40	100	100KHz/0.1V
SPL5D18S-8R9N	8.9 $\pm$ 30%	1.25	116	100KHz/0.1V
SPL5D18S-100M	10.0 $\pm$ 20%	1.20	124	100KHz/0.1V
SPL5D18S-120M	12.0 $\pm$ 20%	1.10	153	100KHz/0.1V
SPL5D18S-150M	15.0 $\pm$ 20%	0.97	196	100KHz/0.1V
SPL5D18S-180M	18.0 $\pm$ 20%	0.85	210	100KHz/0.1V
SPL5D18S-220M	22.0 $\pm$ 20%	0.80	290	100KHz/0.1V
SPL5D18S-270M	27.0 $\pm$ 20%	0.75	330	100KHz/0.1V
SPL5D18S-330M	33.0 $\pm$ 20%	0.65	386	100KHz/0.1V
SPL5D18S-390M	39.0 $\pm$ 20%	0.57	520	100KHz/0.1V
SPL5D18S-470M	47.0 $\pm$ 20%	0.54	595	100KHz/0.1V
SPL5D18S-560M	56.0 $\pm$ 20%	0.50	665	100KHz/0.1V
SPL5D18S-680M	68.0 $\pm$ 20%	0.43	840	100KHz/0.1V
SPL5D18S-820M	82.0 $\pm$ 20%	0.41	978	100KHz/0.1V
SPL5D18S-101M	100.0 $\pm$ 20%	0.36	1200	100KHz/0.1V
SPL5D18S-121M	120.0 $\pm$ 20%	0.33	1500	100KHz/0.1V
SPL5D18S-151M	150.0 $\pm$ 20%	0.31	1710	100KHz/0.1V
SPL5D18S-181M	180.0 $\pm$ 20%	0.28	2240	100KHz/0.1V
SPL5D18S-221M	220.0 $\pm$ 20%	0.23	2440	100KHz/0.1V
SPL5D18S-331M	330.0 $\pm$ 20%	0.18	4340	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL5D28S-1R0N	1.0 $\pm$ 30%	4.60	15	100KHz/0.1V
SPL5D28S-2R2N	2.6 $\pm$ 30%	2.60	18	100KHz/0.1V
SPL5D28S-3R0N	3.0 $\pm$ 30%	2.40	24	100KHz/0.1V
SPL5D28S-4R2N	4.2 $\pm$ 30%	2.20	31	100KHz/0.1V
SPL5D28S-5R3N	5.3 $\pm$ 30%	1.90	38	100KHz/0.1V
SPL5D28S-6R2N	6.2 $\pm$ 30%	1.80	45	100KHz/0.1V
SPL5D28S-8R2N	8.2 $\pm$ 30%	1.60	53	100KHz/0.1V
SPL5D28S-100M	10.0 $\pm$ 20%	1.30	65	100KHz/0.1V
SPL5D28S-120M	12.0 $\pm$ 20%	1.20	76	100KHz/0.1V
SPL5D28S-150M	15.0 $\pm$ 20%	1.10	103	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu\text{H}$ )	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL5D28S-180M	18.0 $\pm$ 20%	1.00	110	100KHz/0.1V
SPL5D28S-220M	22.0 $\pm$ 20%	0.90	122	100KHz/0.1V
SPL5D28S-270M	27.0 $\pm$ 20%	0.85	175	100KHz/0.1V
SPL5D28S-330M	33.0 $\pm$ 20%	0.75	189	100KHz/0.1V
SPL5D28S-390M	39.0 $\pm$ 20%	0.70	212	100KHz/0.1V
SPL5D28S-470M	47.0 $\pm$ 20%	0.62	260	100KHz/0.1V
SPL5D28S-560M	56.0 $\pm$ 20%	0.58	305	100KHz/0.1V
SPL5D28S-680M	68.0 $\pm$ 20%	0.52	355	100KHz/0.1V
SPL5D28S-820M	82.0 $\pm$ 20%	0.46	463	100KHz/0.1V
SPL5D28S-101M	100.0 $\pm$ 20%	0.42	520	100KHz/0.1V
SPL5D28S-121M	120.0 $\pm$ 20%	0.40	560	100KHz/0.1V
SPL5D28S-151M	150.0 $\pm$ 20%	0.35	680	100KHz/0.1V
SPL5D28S-181M	180.0 $\pm$ 20%	0.32	930	100KHz/0.1V
SPL5D28S-221M	220.0 $\pm$ 20%	0.30	1150	100KHz/0.1V
SPL5D28S-271M	270.0 $\pm$ 20%	0.27	1560	100KHz/0.1V
SPL5D28S-331M	330.0 $\pm$ 20%	0.25	1980	100KHz/0.1V
SPL5D28S-391M	390.0 $\pm$ 20%	0.22	2500	100KHz/0.1V
SPL5D28S-471M	470.0 $\pm$ 20%	0.20	2700	100KHz/0.1V
SPL5D28S-561M	560.0 $\pm$ 20%	0.18	3120	100KHz/0.1V
SPL5D28S-681M	680.0 $\pm$ 20%	0.16	4150	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu\text{H}$ )	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL6D28S-3R0N	3.0 $\pm$ 30%	3.00	24	100KHz/0.1V
SPL6D28S-3R9N	3.9 $\pm$ 30%	2.60	27	100KHz/0.1V
SPL6D28S-5R0N	5.0 $\pm$ 30%	2.40	31	100KHz/0.1V
SPL6D28S-6R0N	6.0 $\pm$ 30%	2.25	35	100KHz/0.1V
SPL6D28S-7R3N	7.3 $\pm$ 30%	2.10	54	100KHz/0.1V
SPL6D28S-8R6N	8.6 $\pm$ 30%	1.85	58	100KHz/0.1V
SPL6D28S-100M	10.0 $\pm$ 20%	1.70	65	100KHz/0.1V
SPL6D28S-120M	12.0 $\pm$ 20%	1.55	70	100KHz/0.1V
SPL6D28S-150M	15.0 $\pm$ 20%	1.40	84	100KHz/0.1V
SPL6D28S-180M	18.0 $\pm$ 20%	1.32	95	100KHz/0.1V
SPL6D28S-220M	22.0 $\pm$ 20%	1.20	128	100KHz/0.1V
SPL6D28S-270M	27.0 $\pm$ 20%	1.05	124	100KHz/0.1V
SPL6D28S-330M	33.0 $\pm$ 20%	0.97	165	100KHz/0.1V
SPL6D28S-390M	39.0 $\pm$ 20%	0.86	210	100KHz/0.1V
SPL6D28S-470M	47.0 $\pm$ 20%	0.80	238	100KHz/0.1V
SPL6D28S-560M	56.0 $\pm$ 20%	0.73	277	100KHz/0.1V
SPL6D28S-680M	68.0 $\pm$ 20%	0.65	304	100KHz/0.1V
SPL6D28S-820M	82.0 $\pm$ 20%	0.60	390	100KHz/0.1V
SPL6D28S-101M	100.0 $\pm$ 20%	0.54	535	100KHz/0.1V
SPL6D28S-121M	120.0 $\pm$ 20%	0.51	750	100KHz/0.1V
SPL6D28S-151M	150.0 $\pm$ 20%	0.47	950	100KHz/0.1V
SPL6D28S-181M	180.0 $\pm$ 20%	0.41	1200	100KHz/0.1V



**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL6D28S-221M	220.0 $\pm$ 20%	0.37	1500	100KHz/0.1V
SPL6D28S-271M	270.0 $\pm$ 20%	0.33	1700	100KHz/0.1V
SPL6D28S-331M	330.0 $\pm$ 20%	0.28	2150	100KHz/0.1V
SPL6D28S-391M	390.0 $\pm$ 20%	0.27	2250	100KHz/0.1V
SPL6D28S-471M	470.0 $\pm$ 20%	0.21	3150	100KHz/0.1V
SPL6D28S-561M	560.0 $\pm$ 20%	0.20	3750	100KHz/0.1V
SPL6D28S-681M	680.0 $\pm$ 20%	0.20	5150	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL6D38S-1R0N	1.0 $\pm$ 30%	7.00	9.6	100KHz/0.1V
SPL6D38S-2R2N	2.2 $\pm$ 30%	4.00	30	100KHz/0.1V
SPL6D38S-3R3N	3.3 $\pm$ 30%	3.50	20	100KHz/0.1V
SPL6D38S-5R0N	5.0 $\pm$ 30%	2.90	24	100KHz/0.1V
SPL6D38S-6R2N	6.2 $\pm$ 30%	2.50	27	100KHz/0.1V
SPL6D38S-7R4N	7.4 $\pm$ 30%	2.30	31	100KHz/0.1V
SPL6D38S-8R7N	8.7 $\pm$ 30%	2.20	34	100KHz/0.1V
SPL6D38S-100M	10.0 $\pm$ 20%	2.00	38	100KHz/0.1V
SPL6D38S-120M	12.0 $\pm$ 20%	1.70	53	100KHz/0.1V
SPL6D38S-150M	15.0 $\pm$ 20%	1.60	57	100KHz/0.1V
SPL6D38S-180M	18.0 $\pm$ 20%	1.50	92	100KHz/0.1V
SPL6D38S-220M	22.0 $\pm$ 20%	1.30	96	100KHz/0.1V
SPL6D38S-270M	27.0 $\pm$ 20%	1.20	109	100KHz/0.1V
SPL6D38S-330M	33.0 $\pm$ 20%	1.10	124	100KHz/0.1V
SPL6D38S-390M	39.0 $\pm$ 20%	1.00	138	100KHz/0.1V
SPL6D38S-470M	47.0 $\pm$ 20%	0.95	155	100KHz/0.1V
SPL6D38S-560M	56.0 $\pm$ 20%	0.85	202	100KHz/0.1V
SPL6D38S-680M	68.0 $\pm$ 20%	0.75	234	100KHz/0.1V
SPL6D38S-820M	82.0 $\pm$ 20%	0.70	324	100KHz/0.1V
SPL6D38S-101M	100.0 $\pm$ 20%	0.65	358	100KHz/0.1V
SPL6D38S-121M	120.0 $\pm$ 20%	0.59	470	100KHz/0.1V
SPL6D38S-151M	150.0 $\pm$ 20%	0.54	580	100KHz/0.1V
SPL6D38S-181M	180.0 $\pm$ 20%	0.49	690	100KHz/0.1V
SPL6D38S-221M	220.0 $\pm$ 20%	0.43	890	100KHz/0.1V
SPL6D38S-271M	270.0 $\pm$ 20%	0.40	1290	100KHz/0.1V
SPL6D38S-331M	330.0 $\pm$ 20%	0.37	1700	100KHz/0.1V
SPL6D38S-391M	390.0 $\pm$ 20%	0.34	1750	100KHz/0.1V
SPL6D38S-471M	470.0 $\pm$ 20%	0.32	2200	100KHz/0.1V
SPL6D38S-561M	560.0 $\pm$ 20%	0.29	2850	100KHz/0.1V
SPL6D38S-681M	680.0 $\pm$ 20%	0.25	3200	100KHz/0.1V
SPL6D38S-821M	820.0 $\pm$ 20%	0.22	4050	100KHz/0.1V
SPL6D38S-102M	1000.0 $\pm$ 20%	0.20	5700	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL8D28S-2R5N	2.5 $\pm$ 30%	4.50	15.6	100KHz/0.1V
SPL8D28S-3R3N	3.3 $\pm$ 30%	4.00	18.2	100KHz/0.1V
SPL8D28S-4R7N	4.7 $\pm$ 30%	3.40	24.7	100KHz/0.1V
SPL8D28S-7R3N	7.3 $\pm$ 30%	2.80	39	100KHz/0.1V
SPL8D28S-100M	10.0 $\pm$ 20%	2.50	47	100KHz/0.1V
SPL8D28S-150M	15.0 $\pm$ 20%	1.90	69	100KHz/0.1V
SPL8D28S-220M	22.0 $\pm$ 20%	1.60	99	100KHz/0.1V
SPL8D28S-330M	33.0 $\pm$ 20%	1.30	156	100KHz/0.1V
SPL8D28S-470M	47.0 $\pm$ 20%	1.15	195	100KHz/0.1V
SPL8D28S-680M	68.0 $\pm$ 20%	0.92	286	100KHz/0.1V
SPL8D28S-101M	100.0 $\pm$ 20%	0.75	980	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL8D38S-1R8N	1.8 $\pm$ 30%	6.20	15.6	100KHz/0.1V
SPL8D38S-2R0N	2.0 $\pm$ 30%	5.50	17.5	100KHz/0.1V
SPL8D38S-3R5N	3.5 $\pm$ 30%	4.40	24	100KHz/0.1V
SPL8D38S-4R7N	4.7 $\pm$ 30%	4.00	29	100KHz/0.1V
SPL8D38S-6R0N	6.0 $\pm$ 30%	3.50	32	100KHz/0.1V
SPL8D38S-100M	10.0 $\pm$ 20%	2.60	48	100KHz/0.1V
SPL8D38S-150M	15.0 $\pm$ 20%	2.30	67	100KHz/0.1V
SPL8D38S-220M	22.0 $\pm$ 20%	1.88	105	100KHz/0.1V
SPL8D38S-330M	33.0 $\pm$ 20%	1.52	157	100KHz/0.1V
SPL8D38S-470M	47.0 $\pm$ 20%	1.28	189	100KHz/0.1V
SPL8D38S-680M	68.0 $\pm$ 20%	1.10	290	100KHz/0.1V
SPL8D38S-101M	100.0 $\pm$ 20%	0.88	410	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL8D43S-2R0N	2.0 $\pm$ 30%	7.00	14	100KHz/0.1V
SPL8D43S-3R9N	3.9 $\pm$ 30%	5.90	19	100KHz/0.1V
SPL8D43S-4R7N	4.7 $\pm$ 30%	5.60	22	100KHz/0.1V
SPL8D43S-6R8N	6.8 $\pm$ 30%	4.40	25	100KHz/0.1V
SPL8D43S-100M	10.0 $\pm$ 20%	4.00	36	100KHz/0.1V
SPL8D43S-150M	15.0 $\pm$ 20%	2.90	53	100KHz/0.1V
SPL8D43S-220M	22.0 $\pm$ 20%	2.60	75	100KHz/0.1V
SPL8D43S-330M	33.0 $\pm$ 20%	2.20	125	100KHz/0.1V
SPL8D43S-470M	47.0 $\pm$ 20%	1.80	150	100KHz/0.1V
SPL8D43S-680M	68.0 $\pm$ 20%	1.50	240	100KHz/0.1V
SPL8D43S-101M	100.0 $\pm$ 20%	1.30	360	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL103RS-R80N	0.8 $\pm$ 30%	11.20	5.7	100KHz/0.1V
SPL103RS-1R5N	1.5 $\pm$ 30%	8.00	11	100KHz/0.1V



**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL103RS-2R2N	2.2 $\pm$ 30%	6.70	16.9	100KHz/0.1V
SPL103RS-3R3N	3.3 $\pm$ 30%	5.56	21	100KHz/0.1V
SPL103RS-4R7N	4.7 $\pm$ 30%	4.65	30	100KHz/0.1V
SPL103RS-6R8N	6.8 $\pm$ 30%	3.84	35	100KHz/0.1V
SPL103RS-8R2N	8.2 $\pm$ 30%	3.54	50	100KHz/0.1V
SPL103RS-100M	10.0 $\pm$ 20%	3.18	59	100KHz/0.1V
SPL103RS-150M	15.0 $\pm$ 20%	2.60	91	100KHz/0.1V
SPL103RS-220M	22.0 $\pm$ 20%	2.16	143	100KHz/0.1V
SPL103RS-330M	33.0 $\pm$ 20%	1.74	202	100KHz/0.1V
SPL103RS-470M	47.0 $\pm$ 20%	1.43	299	100KHz/0.1V
SPL103RS-560M	56.0 $\pm$ 20%	1.36	325	100KHz/0.1V
SPL103RS-680M	68.0 $\pm$ 20%	1.22	429	100KHz/0.1V
SPL103RS-820M	82.0 $\pm$ 20%	1.14	494	100KHz/0.1V
SPL103RS-101M	100.0 $\pm$ 20%	1.02	683	100KHz/0.1V
SPL103RS-121M	120.0 $\pm$ 20%	0.89	754	100KHz/0.1V
SPL103RS-151M	150.0 $\pm$ 20%	0.84	871	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL104RS-1R5N	1.5 $\pm$ 30%	10.00	8.1	100KHz/0.1V
SPL104RS-2R5N	2.5 $\pm$ 30%	7.50	10.5	100KHz/0.1V
SPL104RS-3R8N	3.8 $\pm$ 30%	6.00	13	100KHz/0.1V
SPL104RS-5R2N	5.2 $\pm$ 30%	5.50	22	100KHz/0.1V
SPL104RS-7R0N	7.0 $\pm$ 30%	4.80	27	100KHz/0.1V
SPL104RS-100M	10.0 $\pm$ 20%	4.40	35	100KHz/0.1V
SPL104RS-150M	15.0 $\pm$ 20%	3.60	50	100KHz/0.1V
SPL104RS-220M	22.0 $\pm$ 20%	2.90	73	100KHz/0.1V
SPL104RS-330M	33.0 $\pm$ 20%	2.30	93	100KHz/0.1V
SPL104RS-470M	47.0 $\pm$ 20%	2.10	128	100KHz/0.1V
SPL104RS-680M	68.0 $\pm$ 20%	1.50	213	100KHz/0.1V
SPL104RS-101M	100.0 $\pm$ 20%	1.35	304	100KHz/0.1V
SPL104RS-151M	150.0 $\pm$ 20%	1.15	506	100KHz/0.1V
SPL104RS-221M	220.0 $\pm$ 20%	0.92	756	100KHz/0.1V
SPL104RS-331M	330.0 $\pm$ 20%	0.70	1090	100KHz/0.1V
SPL104RS-471M	470.0 $\pm$ 20%	0.80	1670	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL105RS-1R5N	1.5 $\pm$ 30%	5.50	14	100KHz/0.1V
SPL105RS-2R2N	2.2 $\pm$ 30%	6.90	10.4	100KHz/0.1V
SPL105RS-3R3N	3.3 $\pm$ 30%	6.50	14	100KHz/0.1V
SPL105RS-4R7N	4.7 $\pm$ 30%	6.10	12.3	100KHz/0.1V
SPL105RS-6R8N	6.8 $\pm$ 30%	6.00	26	100KHz/0.1V
SPL105RS-8R2N	8.2 $\pm$ 30%	3.50	30	100KHz/0.1V
SPL105RS-100M	10.0 $\pm$ 20%	3.45	26	100KHz/0.1V

**⊕ Electrical Characteristics :**

Part No.	Inductance ( $\mu$ H)	Isat (A) Max	DCR (m $\Omega$ ) Max	Test Frequency
SPL105RS-120M	12.0 $\pm$ 20%	3.40	32	100KHz/0.1V
SPL105RS-150M	15.0 $\pm$ 20%	2.83	40	100KHz/0.1V
SPL105RS-180M	18.0 $\pm$ 20%	2.62	46	100KHz/0.1V
SPL105RS-220M	22.0 $\pm$ 20%	2.44	59	100KHz/0.1V
SPL105RS-270M	27.0 $\pm$ 20%	2.24	65	100KHz/0.1V
SPL105RS-330M	33.0 $\pm$ 20%	1.88	81	100KHz/0.1V
SPL105RS-390M	39.0 $\pm$ 20%	1.70	103	100KHz/0.1V
SPL105RS-470M	47.0 $\pm$ 20%	1.56	122	100KHz/0.1V
SPL105RS-560M	56.0 $\pm$ 20%	1.39	145	100KHz/0.1V
SPL105RS-680M	68.0 $\pm$ 20%	1.36	193	100KHz/0.1V
SPL105RS-820M	82.0 $\pm$ 20%	1.20	219	100KHz/0.1V
SPL105RS-101M	100.0 $\pm$ 20%	1.08	247	100KHz/0.1V
SPL105RS-121M	120.0 $\pm$ 20%	1.00	298	100KHz/0.1V
SPL105RS-151M	150.0 $\pm$ 20%	0.91	355	100KHz/0.1V
SPL105RS-181M	180.0 $\pm$ 20%	0.84	393	100KHz/0.1V
SPL105RS-221M	220.0 $\pm$ 20%	0.75	484	100KHz/0.1V
SPL105RS-271M	270.0 $\pm$ 20%	0.68	633	100KHz/0.1V
SPL105RS-331M	330.0 $\pm$ 20%	0.60	780	100KHz/0.1V
SPL105RS-391M	390.0 $\pm$ 20%	0.57	958	100KHz/0.1V
SPL105RS-471M	470.0 $\pm$ 20%	0.50	1220	100KHz/0.1V
SPL105RS-561M	560.0 $\pm$ 20%	0.47	1352	100KHz/0.1V
SPL105RS-681M	680.0 $\pm$ 20%	0.43	1519	100KHz/0.1V

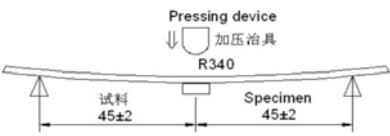
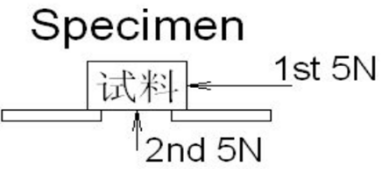
Note : Specifications which provide more details for the proper and safe use of the described product are available upon request. all specifications are subject to change without notice.

Isat : DC Saturation Current that will cause initial inductance to drop approximately 30% max.(at 20°C ambient.)

Test Instrument : L (WK6500B), RDC(HIOKI RM3542A), Isat & Irms (WK3260B+WK3265B) or equivalent.

All test data is referenced to 25°C ambient.

**⊕ General Characteristics**

項目 Item	Conditions	Specification
温度特性 Temperature drift	在温度-40 ~ + 125°C之间测试。 To be measured in the range of -40°C to 125°C.	Inductance temperature coefficient 2000 ppm/°C or less
保存温度范围 Storage Temperature	在包装的状态下。 With taping.	- 40°C ~ + 125°C
使用温度范围 Operating Temperature	包括制品的发热温度。 Including self temperature rise.	- 40°C ~ + 125°C
弯曲测试 Bending test	<p>试件焊接在基板上，按箭头方向以大约0.5mm/秒的速度加压，直到基板变形幅度到3mm 保持30 秒。</p> <p>Apply pressure gradually in the direction of the arrow at a rate of about 0.5mm/s until bent depth reaches 3mm and hold for 30±5s.</p>  <p>基板Board: 40*100mm 厚Thickness: 1.0mm</p>	Change from an initial value L : within±10%
固着强度 Adhesion strength	<p>按箭头方向用R0.5 的加压棒在试件中施加一定的静力并保持60±5秒。</p> <p>A static load using a R0.5 pressing tool shall be applied the arrow and to the body of the specimen in the direction of the arrow and shall be hold for 60±5s. Measure after removing pressure.</p> 	Change from an initial value L : within±10%

耐振性 Vibration	<p>振动频率10~55~10Hz, 振幅1.5mm, 分X,Y,Z 方向各振动1 小时 ( 共3 小时 ) 。</p> <p>The specimen shall be subjected to a vibration of 1.5mm amplitude, sweep frequency 10~55Hz (10Hz to 55Hz to 10Hz in a period of one minute) for 1 h in each of 3(X,Y,Z) axes.</p>	Change from an initial value L : within±10%
耐冲击性 Mechanical shock	<p>利用橡胶块式落下冲击试验机，分别在3 个互相垂直的方向以981m/S<sup>2</sup> 的冲击加速度落下。</p> <p>Peak acceleration: 981 m/S<sup>2</sup> Duration of pulse: 6ms 3 times in each of 3(X,Y,Z)axes. The specimen must be fixed on test board. Three successive shock shall be applied in the perpendicular direction of each surface of the specimen.</p>	Change from an initial value L : within±10%
自然落下试验 Free fall test	<p>试件安装在基板上，并固定在重500 克的盒中，由1 米高自由落体，3 个互相垂直的方向各3 次。</p> <p>The specimen must be fixed on test board. It must be equipped with instruments of which weight is 500g. Then it shall be fallen freely from 1m height to rigid wood 3 times in each of three axes.</p>	Change from an initial value L : within±10%
焊锡附着性 Solder ability	<p>试验品的电极深布松香后，在5 ~ 10 秒内焊锡，焊锡槽温度245±5℃，时间：3±0.5 秒。</p> <p>Terminals shall be immersed for 5 to 10 seconds in flux at room temperature. Dip sample into solder bath containing molten solder at 245±5°C for 3±0.5 seconds.</p>	90%以上的面积要被覆盖。 New solder shall cover 90% minimum of the surface immersed.
耐电压 Dielectric strength	<p>在电极与磁材之间加入直流电压100V 通电时间1 分钟。</p> <p>100V DC shall be applied for 60s between the terminal and the core.</p>	没有损害。 Without damage.

<p>焊锡耐热性 Resistance to soldering heat</p>	<p>试验方法Test method 热风炉焊接Reflow soldering method 预热Preheat 150~180°C 90±30s 峰值温度Peak temp 250(+ 5,-0)°C (230°Cmin , 30±10s) 试验板的厚度0.8mm 上按上面条件通过两次热风炉。</p> <p>The specimen shall be subjected to the reflow process under the above condition 2 times.Test board shall be 0.8mm thick. Base material shall be glass epoxy resin.</p> <p>测定Measurement 常温常湿中放置于1 小时以上测试。 The specimen shall be stored at standard atmospheric conditions for 1 h in prior to the measurement.</p>	<p>Change from an initial value L : within±10%</p>
<p>绝缘抵抗 Insulation resistance</p>	<p>在电极与磁材之间加入直流电压100V。</p> <p>100V DC shall be applied between the terminal and the core.</p>	<p>100mΩ 以上 100mΩ or more.</p>
<p>耐寒性 Low temperature</p>	<p>在温度-40±3°C中放置500±12 小时后，常温常湿中放置1 小时以上2 小时以内测试。</p> <p>The specimen shall be stored at a temperature of -40 ±3°C for 500 ±12h. Then it shall be stabilized under standard atmospheric conditions for 1 h before measurement Measurement shall be made within 1h.</p>	<p>Change from an initial value L : within±10%</p>
<p>耐热性 Dry heat</p>	<p>在温度125±2°C中放置500±12 小时后，常温常湿中放置1 小时以上2 小时以内测试。</p> <p>The specimen shall be stored at a temperature of 125 ± 2°C for 500± 12h. Then it shall be stabilized under standard atmospheric conditions for 1 h before measurement. Measurement shall be made within 1h.</p>	<p>Change from an initial value L : within±10%</p>

耐湿性 Dump heat	<p>在温度<math>60\pm 2^{\circ}\text{C}</math>·湿度90~95%中放置<math>500\pm 12</math>小时后·常温常湿中放置1小时以上2小时以内测试。</p> <p>The specimen shall be stored at a temperature of <math>60\pm 2^{\circ}\text{C}</math> with relative humidity of 90 ~ 95% for <math>500 \pm 2\text{h}</math>. Then it shall be stabilized under standard atmospheric conditions for 1 h before measurement. Measurement shall be made within 1h.</p>	Change from an initial value L : within $\pm 10\%$
温度循环 Temperature cycle	<p>以温度<math>-40^{\circ}\text{C}</math>中放置30分钟·在<math>125^{\circ}\text{C}</math>放置30分钟·中间转换时间不超过2分钟为一个循环·完成500个循环后·常温常湿中放置1小时以上2小时以内测试。</p> <p>The specimen shall be subjected to 500 continuous cycles of temperature change of <math>-40^{\circ}\text{C}</math> for 30 min and <math>125^{\circ}\text{C}</math> for 30 min with the transit period of 2min or less. Then it shall be stabilized under standard atmospheric conditions for 1 h before measurement. Measurement shall be made within 1h.</p>	Change from an initial value L : within $\pm 10\%$

**标准状态Standard atmospheric conditions**

Unless otherwise specified, the standard range of atmospheric conditions in making measurements and test as follows;

Ambient temperature :  $5^{\circ}\text{C}$  to  $35^{\circ}\text{C}$ , Relative humidity: 45% to 85%, Air pressure: 86kPa to 106kPa

If more strict measurement is required, measurement shall be made within following limits;

Ambient temperature :  $20\pm 2^{\circ}\text{C}$ , Relative humidity:  $65\pm 5\%$ , Air pressure: 86kPa to 106kPa

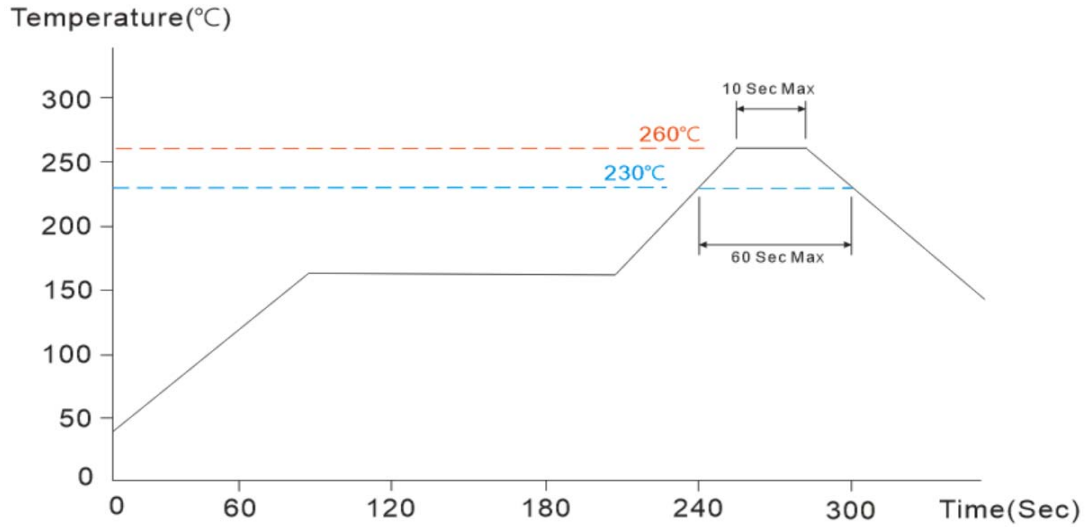
**禁用物质Prohibited Substances**

我公司保证我司的产品和生产过程符合“RoHS 规则”·所有产品中使用的材料均是化学物质生产规则中登记的材料。

We confirm that our products and our production process accord with "rule of RoHS". All materials used in this product are registered material under the law concerning the examination and Regulation of Manufacture of Chemical Substances.



### ⊕ Reflow Soldering Heat Endurance

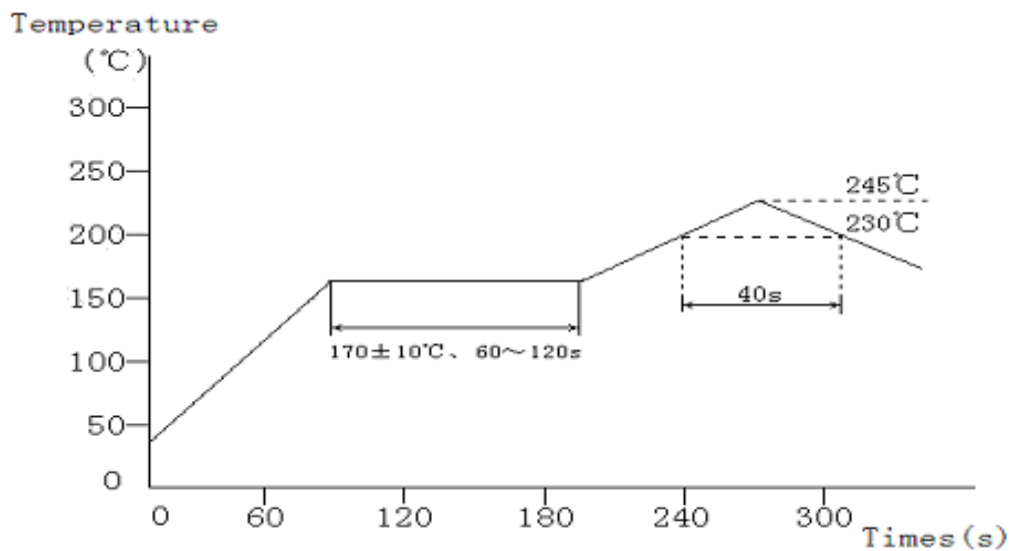


No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours.

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.

The reflow test profile may vary with the testing instruments.

### ⊕ Recommended Reflow Conditions

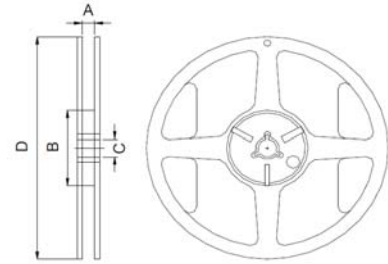
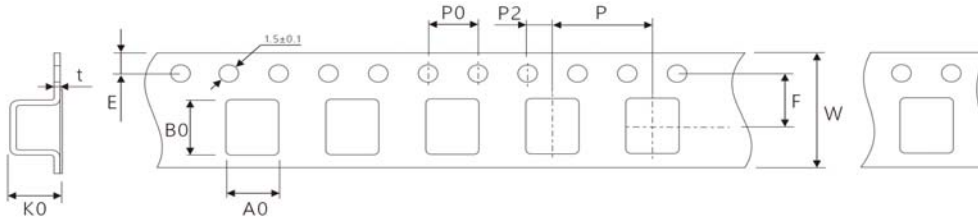


The recommended reflow profile is based on the testing instruments used. Solder ability will depend on the testing equipments, reflow conditions, testing method, etc. So it is necessary to make a confirmation of them when the reflow conditions are set up.

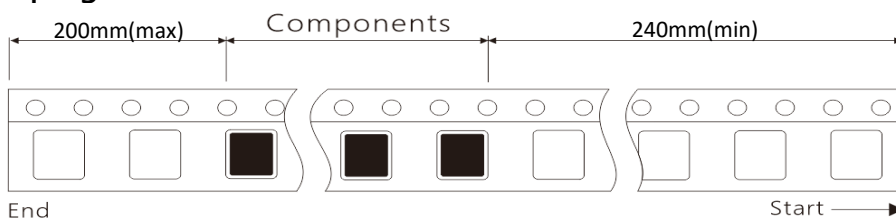
However halogen lamp shall be used, side heat will be beyond range of resistance heat, so we can't recommend it.

**⊕ Reel Dimension(m/m)**

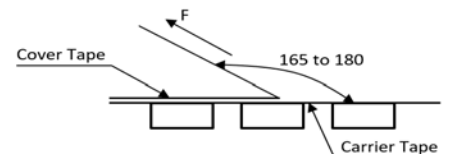
Item	A	B	C	D
SPL3D16\3D28	12.5±1	100±1	13±1	330±1
SPL4D18\4D28	12.5±1	100±1	13±1	330±1
SPL5D18\5D28	12.5±1	100±1	13±1	330±1
SPL6D28\6D38	16.5±1	100±1	13±1	330±1
SPL8D28\8D38\8D43	16.5±1	100±1	13±1	330±1
SPL103R\104R\105R	24.5±1	100±1	13±1	330±1


**⊕ Taping Dimension(m/m)**


Item	W	Ao	Bo	Ko	E	F	P	P0	P2	t
SPL3D16	12.0±0.3	4.1±0.1	4.1±0.1	2.1±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL3D28	12.0±0.3	4.2±0.1	4.2±0.1	3.4±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL4D18	12.0±0.3	5.3±0.1	5.3±0.1	2.2±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL4D28	12.0±0.3	5.15±0.1	5.15±0.1	3.15±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL5D18	12.0±0.3	6.2±0.1	6.2±0.1	2.1±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL5D28	12.0±0.3	6.3±0.1	6.3±0.1	3.1±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL6D28	16.0±0.3	7.3±0.1	7.3±0.1	2.85±0.1	1.75±0.1	7.5±0.1	12.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL6D38	16.0±0.3	7.3±0.1	7.3±0.1	4.1±0.1	1.75±0.1	7.5±0.1	12.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL8D28	16.0±0.3	8.3±0.1	9.6±0.1	4.3±0.1	1.75±0.1	7.5±0.1	12.0±0.1	4.0±0.1	2.0±0.1	0.3±0.05
SPL8D38	16.0±0.3	8.4±0.1	9.3±0.1	4.4±0.1	1.75±0.1	7.5±0.1	12.0±0.1	4.0±0.1	2.0±0.1	0.4±0.05
SPL8D43	16.0±0.3	9.8±0.1	8.5±0.1	4.7±0.1	1.75±0.1	7.5±0.1	12.0±0.1	4.0±0.1	2.0±0.1	0.4±0.05
SPL103R	24.0±0.3	10.5±0.1	10.6±0.1	3.5±0.3	1.75±0.1	11.5±0.1	16.0±0.1	4.0±0.1	2.0±0.1	0.4±0.05
SPL104R	24.0±0.3	10.5±0.1	10.6±0.1	4.1±0.3	1.75±0.1	11.5±0.1	16.0±0.1	4.0±0.1	2.0±0.1	0.4±0.05
SPL105R	24.0±0.3	10.5±0.1	10.8±0.1	5.4±0.3	1.75±0.1	11.5±0.1	16.0±0.1	4.0±0.1	2.0±0.1	0.4±0.05

**⊕ Taping method**

**⊕ Taping Off Force**

in the arrow direction under the following conditio			
Room Temp	Room Humidity	Room atrn	Teaming Speed
(°C)	(%)	(hPa)	(mm/min)
5~35	45~85	860~1060	300


**⊕ Packaging Carton**

Item	Reel Packing	Inner Box Packing	Carton Packing
SPL3D16	3,000 PCS / Reel	9,000 PCS / Box	18,000 PCS / Box
SPL3D28\4D18\4D28	2,000 PCS / Reel	8,000 PCS / Box	16,000 PCS / Box
SPL5D18\5D28	2,000 PCS / Reel	6,000 PCS / Box	12,000 PCS / Box
SPL6D28\6D38	1,500 PCS / Reel	4,500 PCS / Box	9,000 PCS / Box
SPL6D38\8D28\8D38\8D43	1,000 PCS / Reel	3,000 PCS / Box	6,000 PCS / Box
SPL103R\104R	1,000 PCS / Reel	2,000 PCS / Box	4,000 PCS / Box
SPL105R	250 PCS / Reel	1,600 PCS / Box	3,200 PCS / Box

