



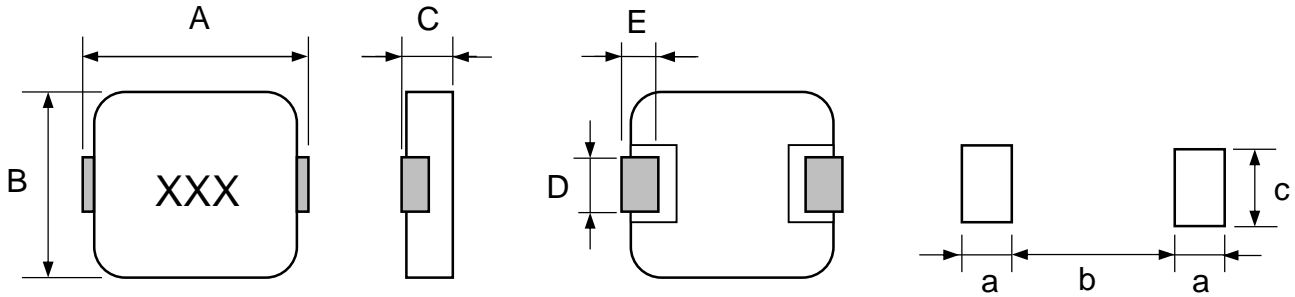
# INDEX

SHAPES AND DIMENSIONS.....	1
PART NUMBER CODE .....	2
ELECTRICAL CHARACTERISTICS .....	2
REEL DIMENSIONS AND PACKAGING QUANTITY .....	17



## Shielded SMT Power Inductor SPI0402-1207H Series

### ■ SHAPES AND DIMENSIONS



Unit: mm

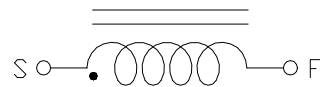
P/N	A	B	C	D	E
SPI0402H	4.7±0.3	4.2±0.3	1.8±0.2	1.7±0.5	1.0±0.5
SPI0502H	5.7±0.3	5.0±0.3	1.8±0.2	1.7±0.5	1.2±0.5
SPI0503H	5.7±0.3	5.0±0.3	2.8±0.2	1.7±0.5	1.2±0.5
SPI0602H	7.3±0.3	6.6±0.3	1.8±0.2	2.9±0.5	1.6±0.5
SPI0625H	7.3±0.3	6.6±0.3	2.3±0.2	2.9±0.5	1.6±0.5
SPI0603H	7.3±0.3	6.6±0.3	2.8±0.2	2.9±0.5	1.6±0.5
SPI0604H	7.3±0.3	6.6±0.3	3.8±0.2	2.9±0.5	1.6±0.5
SPI0605H	7.3±0.3	6.6±0.3	4.8±0.2	2.9±0.5	1.6±0.5
SPI1003H	11.2±0.3	10.3±0.3	2.8±0.2	2.9±0.5	2.2±0.5
SPI1004H	11.2±0.3	10.3±0.3	3.8±0.2	2.9±0.5	2.2±0.5
SPI1005H	11.2±0.3	10.3±0.3	4.8±0.2	2.9±0.5	2.2±0.5
SPI1235H	13.5±0.3	12.6±0.3	3.5±0.2	3.6±0.5	2.3±0.5
SPI1205H	13.5±0.3	12.6±0.3	4.8±0.2	3.6±0.5	2.3±0.5
SPI1207H	13.5±0.3	12.6±0.3	6.3±0.2	3.6±0.5	2.3±0.5

Recommend PAD Layout

a Ref.	b Ref.	c Ref.
1.5 ref	2.5 ref	2.2 ref
2.0 ref	3.0 ref	2.5 ref
2.0 ref	3.0 ref	2.5 ref
2.5 ref	3.7 ref	3.5 ref
2.5 ref	3.7 ref	3.5 ref
2.5 ref	3.7 ref	3.5 ref
2.5 ref	3.7 ref	3.5 ref
2.5 ref	3.7 ref	3.5 ref
3.5 ref	6.0 ref	4.0 ref
3.5 ref	6.0 ref	4.0 ref
3.5 ref	6.0 ref	4.0 ref
2.9 ref	7.9 ref	5.0 ref
2.9 ref	7.9 ref	5.0 ref
2.9 ref	7.9 ref	5.0 ref

Marking : XXX = Inductance

Equivalent circuit





## ■ PART NUMBER CODE

SPI   0402   H   -   4R7   M   A  
1        2        3        4        5        6

1. Series Name
2. Size Code
3. Type Code
4. Inductance(R=Decimal Point) Unit :  $\mu\text{H}$  ; 4R7 =4.7 $\mu\text{H}$
5. Inductance tolerance: "M" $\pm 20\%$
6. Soldering : A=Lead Free

## ■ ELECTRICAL CHARACTERISTICS

1. Test equipments
    - 1.1. L : CH-1062A LCR Meter
    - 1.2. DCR: CH-16502BC Impedance Meter.
    - 1.3. Isat : CH-3302 LCR Meter + CH-1320 Bias.
    - 1.4. Irms : Digital Thermometer DM6801A.
    - 1.5. Operating temperature range from  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$
- \* Equivalent measurement equipment may be used.



## 2. Part Number and Characteristics Table

Part Number	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0402H-R10MA	0.10	20	4.0	12.00	22.0
SPI0402H-R22MA	0.22	20	6.6	9.00	12.5
SPI0402H-R47MA	0.47	20	14.0	7.00	9.5
SPI0402H-R56MA	0.56	20	16.0	6.50	8.5
SPI0402H-1R0MA	1.00	20	27.0	4.50	7.0
SPI0402H-1R5MA	1.50	20	46.0	4.00	6.0
SPI0402H-2R2MA	2.20	20	58.0	3.00	5.0
SPI0402H-3R3MA	3.30	20	87.0	2.50	4.0
SPI0402H-4R7MA	4.70	20	105.0	2.20	3.5
SPI0402H-100MA	10.00	20	243.0	1.80	2.5
SPI0402H-150MA	15.00	20	410.0	1.50	2.3

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0502H-R10MA	0.10	20	3.9	17.00	45.0
SPI0502H-R22MA	0.22	20	5.2	15.00	22.0
SPI0502H-R33MA	0.33	20	8.2	12.00	25.0
SPI0502H-R47MA	0.47	20	9.4	11.50	21.0
SPI0502H-R68MA	0.68	20	12.4	10.00	18.0
SPI0502H-1R0MA	1.00	20	20.0	7.00	16.0
SPI0502H-2R2MA	2.20	20	50.1	4.20	9.5
SPI0502H-3R3MA	3.30	20	65.0	3.30	8.5
SPI0502H-4R7MA	4.70	20	85.0	2.80	5.0
SPI0502H-8R2MA	8.20	20	68.0	3.20	4.5
SPI0502H-100MA	10.00	20	155.0	2.50	4.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance (μH) ± 20%	Tolerance (±%)	DCR @25°C (mΩ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0503H-R10MA	0.10	20	3.16	23.00	27.0
SPI0503H-R22MA	0.22	20	4.52	15.50	21.0
SPI0503H-R33MA	0.33	20	5.56	13.70	19.0
SPI0503H-R47MA	0.47	20	7.04	12.20	16.0
SPI0503H-R68MA	0.68	20	8.96	10.20	13.5
SPI0503H-R82MA	0.82	20	11.90	9.30	13.0
SPI0503H-1R0MA	1.00	20	13.70	9.20	12.0
SPI0503H-1R5MA	1.50	20	20.70	7.20	11.0
SPI0503H-2R2MA	2.20	20	29.20	5.80	10.0
SPI0503H-3R3MA	3.30	20	54.70	5.00	8.5
SPI0503H-4R7MA	4.70	20	77.50	3.50	8.2

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate ΔT of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu$ H) $\pm$ 20%	Tolerance ( $\pm$ %)	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0602H-R10MA	0.10	20	3.5	18.00	40.0
SPI0602H-R15MA	0.15	20	5.2	15.00	38.0
SPI0602H-R22MA	0.22	20	5.7	14.00	26.0
SPI0602H-R33MA	0.33	20	7.0	12.00	20.0
SPI0602H-R47MA	0.47	20	9.3	11.00	18.0
SPI0602H-R68MA	0.68	20	13.9	9.00	17.5
SPI0602H-R82MA	0.82	20	15.9	8.00	17.0
SPI0602H-1R0MA	1.00	20	18.3	7.00	14.0
SPI0602H-1R5MA	1.50	20	34.0	4.00	13.0
SPI0602H-2R2MA	2.20	20	46.0	3.75	11.5
SPI0602H-3R3MA	3.30	20	60.1	3.25	10.0
SPI0602H-4R7MA	4.70	20	78.0	3.00	8.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta$ T of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance (μH) ± 20%	Tolerance (±%)	DCR @25°C (mΩ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0625H-R10MA	0.10	20	1.7	30.0	50.0
SPI0625H-R15MA	0.15	20	1.0	32.0	45.0
SPI0625H-R22MA	0.22	20	3.2	21.0	34.0
SPI0625H-R33MA	0.33	20	4.1	18.0	22.0
SPI0625H-R47MA	0.47	20	6.5	13.5	21.0
SPI0625H-R68MA	0.68	20	9.4	11.0	18.0
SPI0625H-R82MA	0.82	20	11.8	10.0	17.0
SPI0625H-1R0MA	1.00	20	14.2	9.0	16.0
SPI0625H-1R5MA	1.50	20	21.2	7.5	15.0
SPI0625H-2R2MA	2.20	20	34.0	6.5	14.0
SPI0625H-3R3MA	3.30	20	51.6	5.0	13.0
SPI0625H-4R7MA	4.70	20	63.0	4.5	10.0
SPI0625H-6R8MA	6.80	20	95.0	3.5	9.0
SPI0625H-8R2MA	8.20	20	106.0	3.0	8.0
SPI0625H-100MA	10.00	20	129.0	2.5	7.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate ΔT of 40°C.
- All test data is referenced to 25°C ambient.





Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0603H-R10MA	0.10	20	1.7	32.5	60.0
SPI0603H-R22MA	0.22	20	2.8	23.0	40.0
SPI0603H-R33MA	0.33	20	3.9	20.0	30.0
SPI0603H-R36MA	0.36	20	3.9	20.0	35.0
SPI0603H-R47MA	0.47	20	4.5	17.5	26.0
SPI0603H-R56MA	0.56	20	5.5	16.5	26.0
SPI0603H-R68MA	0.68	20	5.5	15.5	25.0
SPI0603H-R82MA	0.82	20	8.0	13.0	24.0
SPI0603H-1R0MA	1.00	20	10.0	11.0	22.0
SPI0603H-1R5MA	1.50	20	15.0	9.0	18.0
SPI0603H-2R2MA	2.20	20	20.0	8.0	14.0
SPI0603H-3R3MA	3.30	20	30.0	6.0	13.5
SPI0603H-4R7MA	4.70	20	40.0	5.5	10.0
SPI0603H-5R6MA	5.60	20	55.0	5.0	9.0
SPI0603H-6R8MA	6.80	20	60.0	4.5	8.0
SPI0603H-8R2MA	8.20	20	68.0	4.0	7.5
SPI0603H-100MA	10.00	20	85.0	3.0	6.0
SPI0603H-150MA	15.00	20	110.0	3.0	4.5

**Note:**

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0604H-R47MA	0.47	20	2.9	22.0	25.0
SPI0604H-R56MA	0.56	20	3.7	18.0	24.0
SPI0604H-R68MA	0.68	20	4.2	16.5	23.5
SPI0604H-1R0MA	1.00	20	12.0	11.5	23.0
SPI0604H-1R5MA	1.50	20	14.0	10.0	17.0
SPI0604H-2R2MA	2.20	20	18.0	8.5	16.0
SPI0604H-3R3MA	3.30	20	23.0	7.0	13.0
SPI0604H-4R7MA	4.70	20	35.0	6.0	8.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI0605H-R47MA	0.47	20	3.0	21.0	25.0
SPI0605H-R56MA	0.56	20	3.6	20.0	18.0
SPI0605H-R68MA	0.68	20	4.5	18.0	16.0
SPI0605H-R82MA	0.82	20	4.9	16.5	17.0
SPI0605H-1R0MA	1.00	20	6.5	13.0	15.0
SPI0605H-1R5MA	1.50	20	9.0	11.0	12.0
SPI0605H-2R2MA	2.20	20	13.6	10.0	12.0
SPI0605H-3R3MA	3.30	20	20.9	8.5	9.0
SPI0605H-4R7MA	4.70	20	30.3	6.5	7.0
SPI0605H-5R6MA	5.60	20	34.4	6.0	7.0
SPI0605H-6R8MA	6.80	20	44.6	5.5	6.0
SPI0605H-8R2MA	8.20	20	50.7	5.0	5.5
SPI0605H-100MA	10.00	20	71.3	4.5	4.5
SPI0605H-150MA	15.00	20	105.0	3.5	4.5

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta\text{T}$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI1003H-R36MA	0.36	20	1.6	24.0	28.0
SPI1003H-R47MA	0.47	20	2.5	23.0	26.0
SPI1003H-R56MA	0.56	20	3.0	22.0	24.0
SPI1003H-R68MA	0.68	20	3.4	21.0	23.0
SPI1003H-1R0MA	1.00	20	6.0	15.0	21.0
SPI1003H-1R5MA	1.50	20	7.5	13.5	20.0
SPI1003H-2R2MA	2.20	20	9.0	13.0	16.0
SPI1003H-3R3MA	3.30	20	16.0	9.0	14.0
SPI1003H-4R7MA	4.70	20	22.5	7.0	13.0
SPI1003H-5R6MA	5.60	20	40.0	6.0	10.0
SPI1003H-8R2MA	8.20	20	45.0	5.5	8.5
SPI1003H-100MA	10.00	20	55.0	5.0	7.5

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI1004H-R19MA	0.19	20	0.95	40.0	90.0
SPI1004H-R36MA	0.36	20	1.40	31.5	60.0
SPI1004H-R47MA	0.47	20	1.60	28.5	52.0
SPI1004H-R56MA	0.56	20	1.80	27.5	49.0
SPI1004H-R68MA	0.68	20	2.40	23.0	45.0
SPI1004H-R82MA	0.82	20	3.20	21.0	40.0
SPI1004H-1R0MA	1.00	20	3.70	17.5	36.0
SPI1004H-1R5MA	1.50	20	5.80	15.0	27.5
SPI1004H-2R2MA	2.20	20	10.0	12.0	25.6
SPI1004H-3R3MA	3.30	20	12.0	10.0	18.6
SPI1004H-4R7MA	4.70	20	16.5	9.5	17.0
SPI1004H-5R6MA	5.60	20	19.3	8.5	16.0
SPI1004H-6R8MA	6.80	20	23.3	8.0	13.5
SPI1004H-8R2MA	8.20	20	35.0	7.0	12.5
SPI1004H-100MA	10.0	20	36.5	6.8	12.0
SPI1004H-470MA	47.0	20	145.0	3.5	4.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI1005H-R15MA	0.15	20	0.70	45.0	92.0
SPI1005H-R36MA	0.36	20	0.92	35.0	40.0
SPI1005H-R47MA	0.47	20	1.04	32.0	38.0
SPI1005H-R56MA	0.56	20	1.21	30.0	36.0
SPI1005H-R68MA	0.68	20	1.65	29.2	32.0
SPI1005H-1R0MA	1.00	20	2.53	24.0	28.0
SPI1005H-1R5MA	1.50	20	3.02	20.0	22.0
SPI1005H-1R8MA	1.80	20	4.03	18.0	20.5
SPI1005H-2R2MA	2.20	20	4.60	17.0	20.0
SPI1005H-3R3MA	3.30	20	10.0	12.0	15.0
SPI1005H-4R7MA	4.70	20	12.0	10.0	13.0
SPI1005H-5R6MA	5.60	20	16.0	9.0	12.0
SPI1005H-8R2MA	8.20	20	24.0	7.5	9.0
SPI1005H-100MA	10.0	20	28.0	7.0	8.0
SPI1005H-150MA	15.0	20	34.0	6.5	8.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI1235H-R10MA	0.10	20	0.96	43.0	84.0
SPI1235H-R15MA	0.15	20	1.20	41.0	75.0
SPI1235H-R22MA	0.22	20	1.30	38.5	65.0
SPI1235H-R33MA	0.33	20	1.50	36.5	62.0
SPI1235H-R47MA	0.47	20	2.00	32.0	55.0
SPI1235H-R60MA	0.60	20	2.20	29.0	51.0
SPI1235H-R68MA	0.68	20	2.50	28.0	49.0
SPI1235H-R82MA	0.82	20	3.00	25.0	44.0
SPI1235H-1R0MA	1.00	20	3.50	24.0	40.0
SPI1235H-1R5MA	1.50	20	5.50	19.0	35.0
SPI1235H-1R8MA	1.80	20	7.00	16.5	30.0
SPI1235H-2R2MA	2.20	20	8.00	16.0	29.0
SPI1235H-3R3MA	3.30	20	12.0	12.0	27.0
SPI1235H-4R7MA	4.70	20	15.0	10.0	24.0
SPI1235H-5R6MA	5.60	20	19.0	9.5	19.0
SPI1235H-6R8MA	6.80	20	22.0	9.0	18.0
SPI1235H-8R2MA	8.20	20	28.0	8.5	16.0
SPI1235H-100MA	10.0	20	34.0	7.0	14.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI1205H-R10MA	0.10	20	0.6	55.0	118
SPI1205H-R22MA	0.22	20	0.8	51.0	110
SPI1205H-R33MA	0.33	20	1.1	42.0	80.0
SPI1205H-R47MA	0.47	20	1.3	38.0	65.0
SPI1205H-R56MA	0.56	20	1.5	36.0	55.0
SPI1205H-R68MA	0.68	20	1.7	34.0	54.0
SPI1205H-R82MA	0.82	20	2.3	31.0	53.0
SPI1205H-1R0MA	1.00	20	2.5	29.0	50.0
SPI1205H-1R5MA	1.50	20	4.1	23.0	48.0
SPI1205H-1R8MA	1.80	20	4.9	20.0	40.0
SPI1205H-2R2MA	2.20	20	5.5	20.0	35.0
SPI1205H-3R3MA	3.30	20	9.2	15.0	32.0
SPI1205H-4R7MA	4.70	20	15.0	12.0	27.0
SPI1205H-5R6MA	5.60	20	16.5	12.0	22.0
SPI1205H-6R8MA	6.80	20	18.5	11.0	21.0
SPI1205H-7R8MA	7.80	20	20.5	10.0	18.0
SPI1205H-8R2MA	8.20	20	22.5	9.5	18.0
SPI1205H-100MA	10.0	20	25.5	9.0	16.0

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.





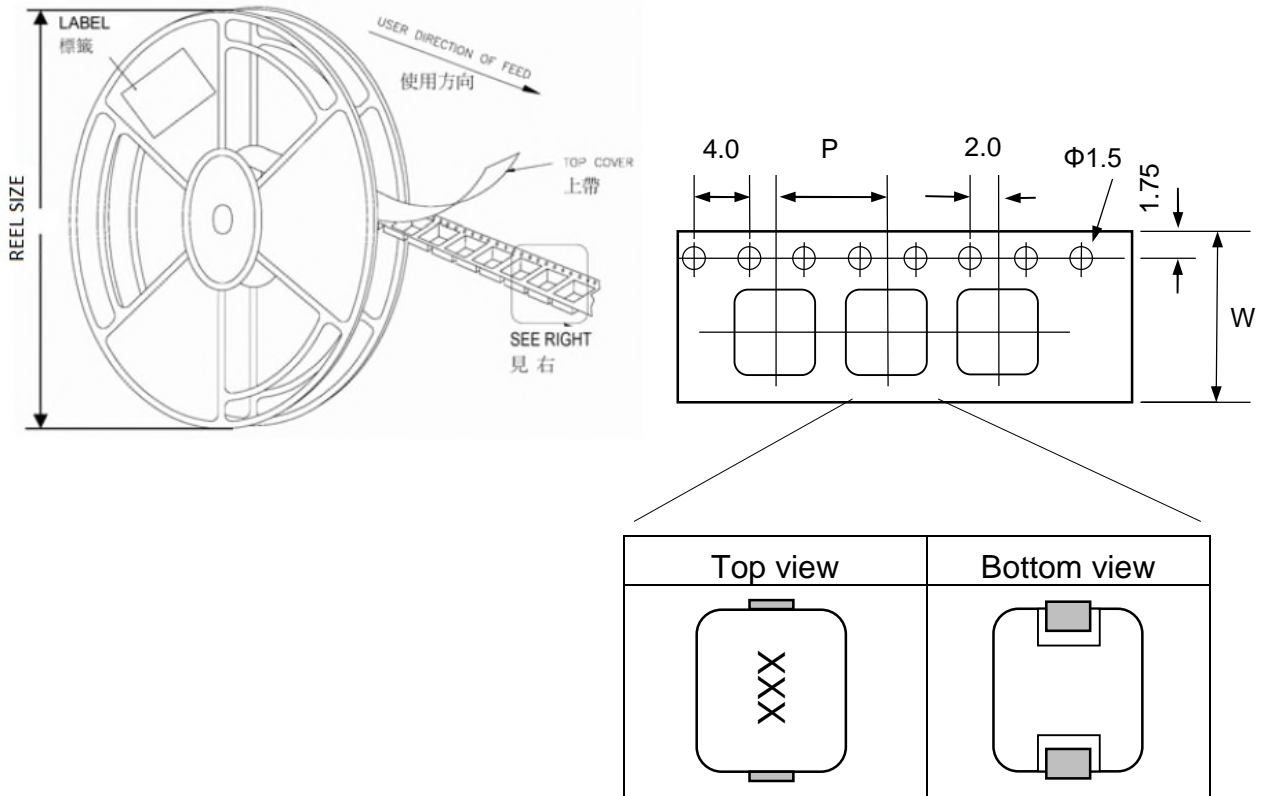
Part Number	Inductance ( $\mu\text{H}$ ) $\pm$ 20%	Tolerance ( $\pm\%$ )	DCR @25°C (m $\Omega$ ) Max.	Temperature Rise Current (A) Max.	Saturation Current (A) Max.
SPI1207H-R10MA	0.10	20	0.5	60.0	120
SPI1207H-R15MA	0.15	20	0.6	55.0	118
SPI1207H-R22MA	0.22	20	0.7	53.0	112
SPI1207H-R30MA	0.30	20	0.8	48.0	72.0
SPI1207H-R33MA	0.33	20	0.9	46.0	65.0
SPI1207H-R40MA	0.40	20	1.0	44.0	64.0
SPI1207H-R47MA	0.47	20	1.2	41.0	63.0
SPI1207H-R56MA	0.56	20	1.4	37.0	62.0
SPI1207H-R68MA	0.68	20	1.6	35.0	60.0
SPI1207H-R82MA	0.82	20	1.9	33.0	50.0
SPI1207H-1R0MA	1.00	20	2.0	32.0	49.0
SPI1207H-1R2MA	1.20	20	2.5	30.0	48.0
SPI1207H-1R5MA	1.50	20	3.0	27.0	45.0
SPI1207H-1R8MA	1.80	20	3.2	24.0	41.0
SPI1207H-2R2MA	2.20	20	4.2	22.0	40.0
SPI1207H-3R3MA	3.30	20	4.5	18.0	35.0
SPI1207H-4R7MA	4.70	20	8.7	13.5	32.0
SPI1207H-5R6MA	5.60	20	10.0	13.5	32.0
SPI1207H-6R8MA	6.80	20	14.0	11.5	16.5
SPI1207H-8R2MA	8.20	20	15.5	10.5	16.0
SPI1207H-100MA	10.0	20	17.2	10.0	15.5

Note:

- Initial Inductance: Testing at 100KHz/0.25V.
- Saturation Current: DC current that will cause initial Inductance to drop approximately 25%.
- Temperature Rise Current: DC current that will cause an approximate  $\Delta T$  of 40°C.
- All test data is referenced to 25°C ambient.



## REEL DIMENSIONS AND PACKAGING QUANTITY



Unit: mm

TYPE	W	P	REEL SIZE	PCS / REEL
SPI0402H	12	8	330 mm (13")	3500
SPI0502H	12	8	330 mm (13")	3000
SPI0503H	12	8	330 mm (13")	2500
SPI0602H	16	12	330 mm (13")	2000
SPI0625H	16	12	330 mm (13")	2000
SPI0603H	16	12	330 mm (13")	1500
SPI0604H	16	12	330 mm (13")	1000
SPI0605H	16	12	330 mm (13")	800
SPI1003H	24	16	330 mm (13")	1000
SPI1004H	24	16	330 mm (13")	1000
SPI1005H	24	16	330 mm (13")	800
SPI1235H	24	16	330 mm (13")	1000
SPI1205H	24	16	330 mm (13")	500
SPI1207H	24	16	330 mm (13")	500