

1. Part No. Expression:

S D I 4 5 3 2 2 6 - 1 R 0 M F

(a) (b) (c) (d)(e)

a) Series Code

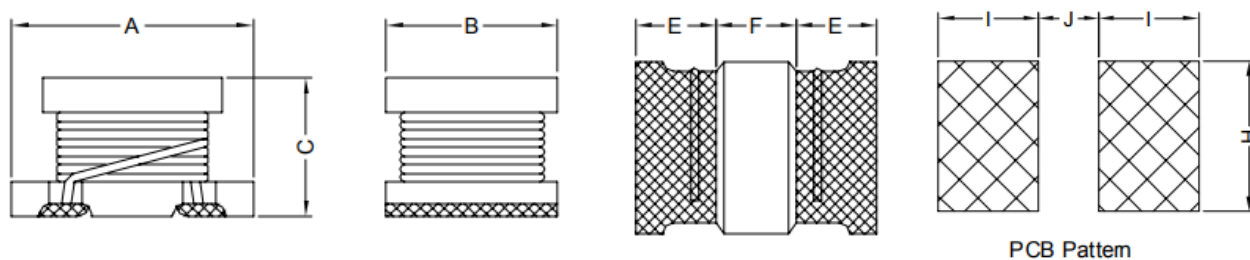
b) Dimension Code

c) Inductance Code

d) Tolerance Code

e) F: RoHS Compliant

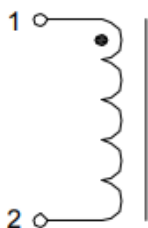
2. Configuration & Dimensions :



Unit: mm

A	B	C	E	F	H	I	J
4.5±0.3	3.2±0.2	2.6±0.3	1.0 Min.	1.0 Min.	3.0 Ref.	2.0 Ref.	1.2 Ref.

3. Schematic



NOTE: Specifications subject to change without notice. Please check our website for latest information.

4. General Specification:

- a) Operating Temp. : -30°C ~ +105°C
- b) Storage Condition (component in its packaging)
 - i) Temperature: -10°C to +40°C
 - ii) Humidity: 60%

5. Electrical Characteristics

Part No	Inductance (uH)	Tolerance	Q Min.	Test Frequency (Hz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
SDI453226-1R0□F	1.00	M	20	1M	120	0.20	500
SDI453226-1R2□F	1.20	M	20	1M	100	0.20	500
SDI453226-1R5□F	1.50	M	20	1M	85	0.30	500
SDI453226-1R8□F	1.80	M	20	1M	75	0.30	500
SDI453226-2R2□F	2.20	M	20	1M	62	0.30	500
SDI453226-2R7□F	2.70	M	20	1M	53	0.32	500
SDI453226-3R3□F	3.30	M	20	1M	47	0.35	500
SDI453226-3R9□F	3.90	M	20	1M	41	0.38	500
SDI453226-4R7□F	4.70	M,K	30	1M	38	0.40	500
SDI453226-5R6□F	5.60	M,K	30	1M	33	0.47	500
SDI453226-6R8□F	6.80	M,K	30	1M	31	0.50	450
SDI453226-8R2□F	8.20	M,K	30	1M	27	0.56	450
SDI453226-100□F	10.00	K,J	35	1M	23	0.56	400
SDI453226-120□F	12.00	K,J	35	1M	21	0.62	380
SDI453226-150□F	15.00	K,J	35	1M	19	0.73	360
SDI453226-180□F	18.00	K,J	35	1M	17	0.82	340
SDI453226-220□F	22.00	K,J	35	1M	15	0.94	320
SDI453226-270□F	27.00	K,J	35	1M	14	1.10	300
SDI453226-330□F	33.00	K,J	35	1M	12	1.20	270
SDI453226-390□F	39.00	K,J	35	1M	11	1.40	240
SDI453226-470□F	47.00	K,J	35	1M	10	1.50	220
SDI453226-560□F	56.00	K,J	35	1M	9.3	1.70	200
SDI453226-680□F	68.00	K,J	35	1M	8.4	1.90	180
SDI453226-820□F	82.00	K,J	35	1M	7.5	2.20	170

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Part No	Inductance (uH)	Tolerance	Q Min.	Test Frequency (Hz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
SDI453226-101□F	100.00	K,J	40	796k	6.8	2.50	160
SDI453226-121□F	120.00	K,J	40	796k	6.2	3.00	150
SDI453226-151□F	150.00	K,J	40	796k	5.5	3.70	130
SDI453226-181□F	180.00	K,J	40	796k	5.0	4.50	120
SDI453226-221□F	220.00	K,J	40	796k	4.5	5.40	110
SDI453226-271□F	270.00	K,J	40	796k	4.0	6.80	100
SDI453226-331□F	330.00	K,J	40	796k	3.6	8.20	95
SDI453226-391□F	390.00	K,J	40	796k	3.3	9.70	90
SDI453226-471□F	470.00	K,J	40	796k	3.0	11.8	80
SDI453226-561□F	560.00	K,J	40	796k	2.7	14.5	70
SDI453226-681□F	680.00	K,J	40	796k	2.5	17.0	65
SDI453226-821□F	820.00	K,J	40	796k	2.2	20.5	60
SDI453226-102□F	1000.00	K,J	40	252k	2.0	25.0	50
SDI453226-122□F	1200.00	K,J	40	252k	1.8	30.0	45
SDI453226-152□F	1500.00	K,J	40	252k	1.6	37.0	40
SDI453226-182□F	1800.00	K,J	40	252k	1.5	45.0	35
SDI453226-222□F	2200.00	K,J	40	252k	1.3	50.0	30

Tolerance: J = ± 5%

K = ± 10%

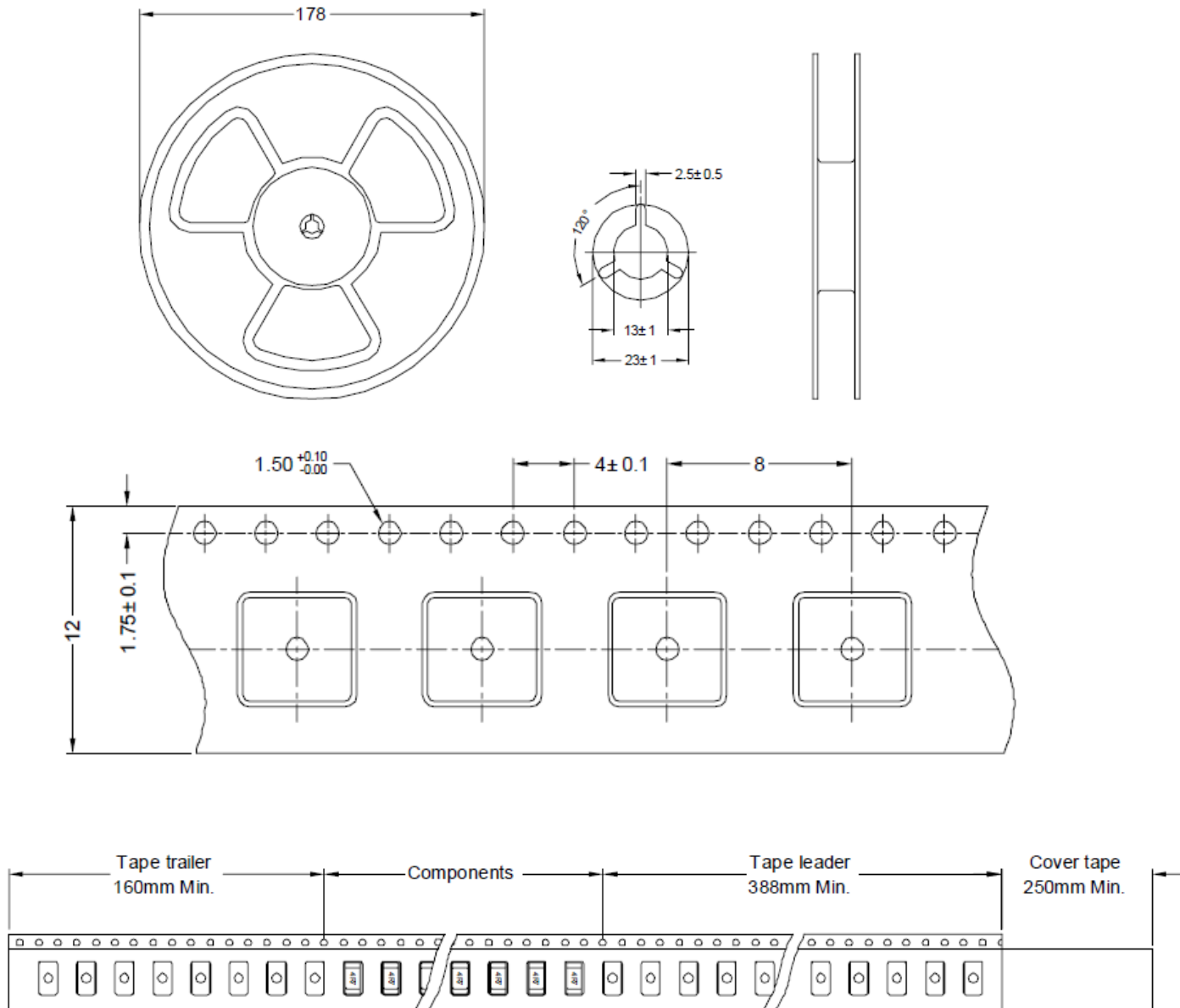
M = ± 20%

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6. Packaging Information

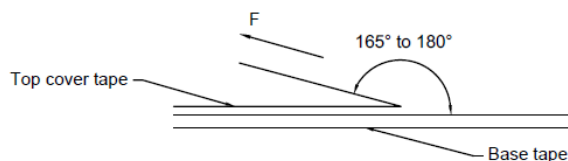
6-1 Reel & Tape Dimension



6-2 Packaging Quantity

Series	Inner: Reel		Outer: Carton		
	Qty (Pcs)	G.W. (Kg)	Qty (Pcs)	G.W. (Kg)	Size (cm)
SDI453226	500	0.14	24000	11	45 x 38 x 21

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6-3 Tearing Off Force

The force for tearing off cover tape is 15 to 80 grams in the arrow direction under the following conditions

Room Temp. (°C)	Room Humidity (%)	Room atm (hPa)	Tearing Speed mm/min
5~35	45~85	860~1060	300

Application Notice:**1. Storage Conditions:**

To maintain the solderability of terminal electrodes:

- a) Recommended products should be used within 12 months from the time of delivery.
- b) The packaging material should be kept where no chlorine or sulfur exists in the air.

2. Transportation:

- a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- b) Vacuum pick up is strongly recommended for individual components.
- c) Bulk handling should ensure that abrasion and mechanical shock are minimized.

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