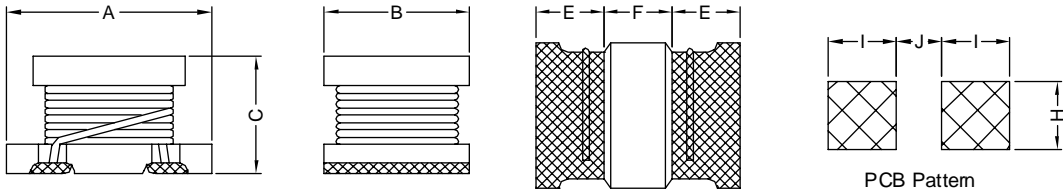


1. PART NO. EXPRESSION :

SDI 3 2 1 6 1 8 - R 1 2 M F
 (a) (b) (c) (d)(e)

- (a) Series code
- (b) Dimension code
- (c) Inductance code : R12 = 0.12uH
- (d) Tolerance code : J = ±5%, K = ±10%, M = ±20%
- (e) F : RoHS Compliant

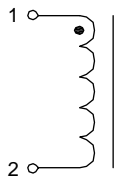
2. CONFIGURATION & DIMENSIONS :



Unit: m/m

A	B	C	E	F	H	I	J
3.2±0.3	1.6±0.2	1.8±0.3	0.7 Min.	0.7 Min.	1.5 Ref.	1.5 Ref.	1.0 Ref.

3. SCHEMATIC :



4. GENERAL SPECIFICATION :

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



RoHS Compliant

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

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5. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Tolerance	Test Frequency (Hz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
SDI321618-R22□F	0.22	M	1M	250	0.140	850
SDI321618-R47□F	0.47	M	1M	180	0.210	700
SDI321618-1R0□F	1.0	M	1M	100	0.364	510
SDI321618-2R2□F	2.2	M	1M	50	0.533	430
SDI321618-4R7□F	4.7	K, M	1M	31	0.845	340
SDI321618-100□F	10	J, K	1M	20	1.690	230
SDI321618-220□F	22	J, K	1M	14	3.900	160
SDI321618-470□F	47	J, K	1M	10	10.40	100
SDI321618-101□F	100	J, K	1M	7	15.60	80

Tolerance code :

- : J = $\pm 5\%$
- K = $\pm 10\%$
- M = $\pm 20\%$



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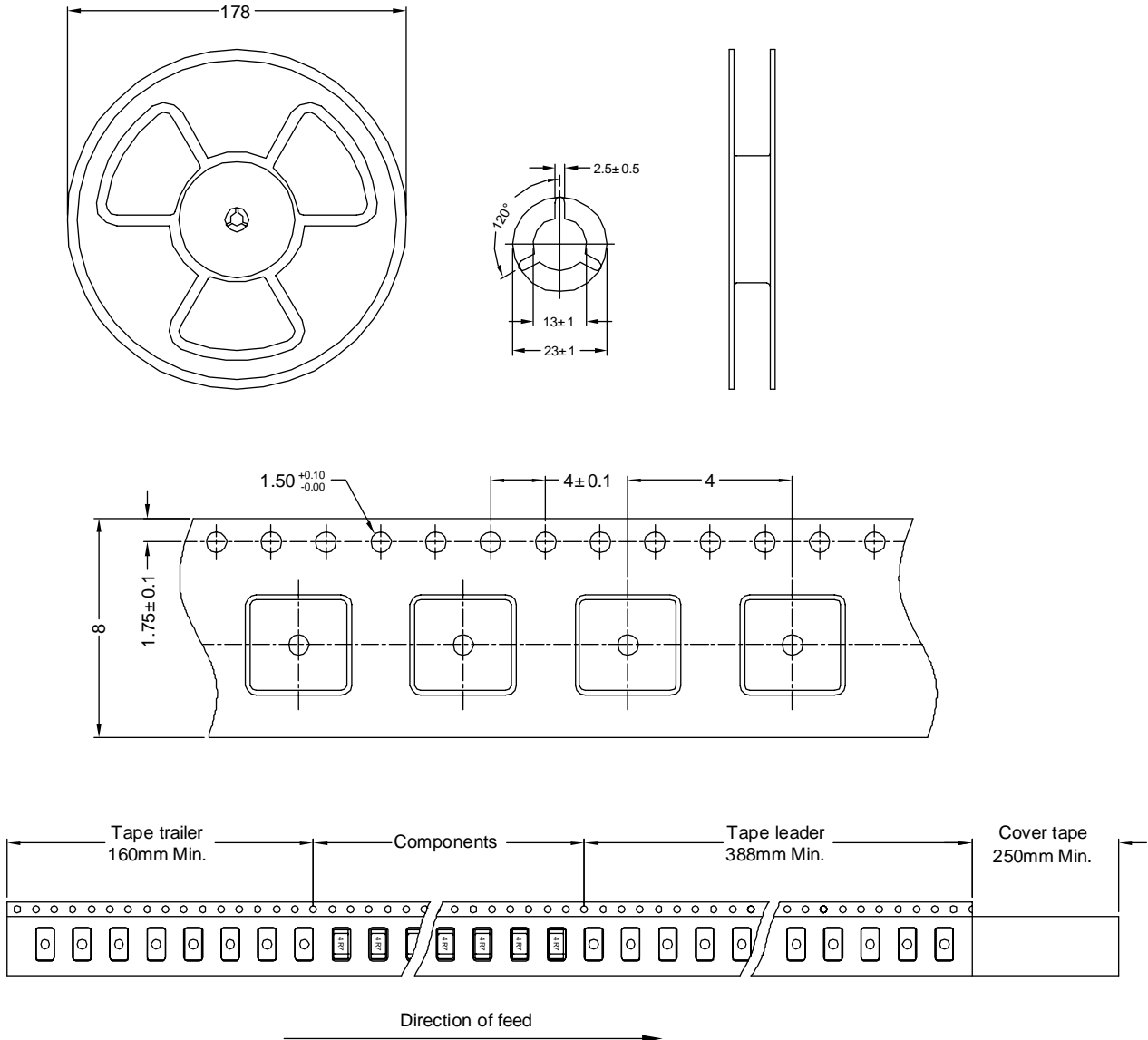
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6. PACKAGING INFORMATION : (Unit : mm)

6-1. Reel & Tape Dimension



6-2. Quantity & G.W. per package

SERIES	INNER : REEL		OUTER : CARTON		
	QTY (PCS)	G.W. (Kg)	QTY (PCS)	G.W. (Kg)	SIZE (cm)
SDI321618	2000	0.13	120000	12	45 x 38 x 21



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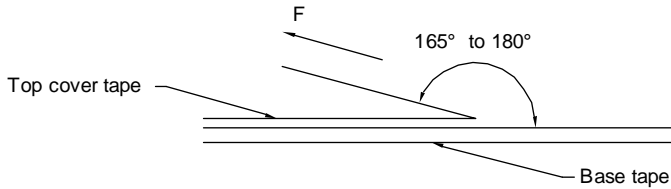
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6-3. Tearing Off Force



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) The use of tweezers or 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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