

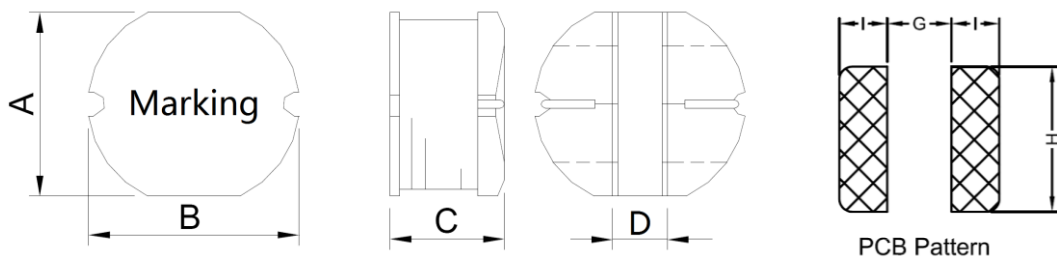
1. Part No. Expression:

PDC0703100MZ F

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

- (a) Series Code
- (b) Dimension Code
- (c) Inductance Code
- (d) Tolerance Code
- (e) X,Y,Z : Standard Part
- (f) RoHS Compliant

2. Configuration & Dimensions:

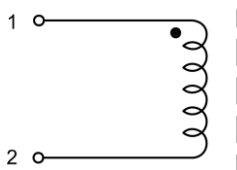


Note: Marking: Inductance code

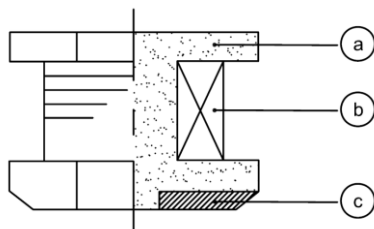
Unit: mm

A	B	C	D	G	H	I
7.0±0.3	7.8±0.3	3.5±0.5	2.5±0.3	2.0 Ref.	7.5 Ref.	3.0 Ref.

3. Schematic:



4. Material List:



- a) Drum Core
- b) Wire
- c) Electrode

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



5. General Specification:

- (a) Operating Temp. : -40°C to +125°C (Including self - temperature rise).
- (b) Storage Temp. : -40°C to +125°C.
- (c) Temp. Rise. : 40°C Max.
- (d) Rated Current. : Base on temp. rise & $\Delta L/L0A=10\%$ Typ.
- (e) Resistance to solder heat. : 260°C.10 Sec.

6. Electrical Characteristics:

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) Max.	IDC (A)
PDC0703100MZF	10.0	1.0V/2.52M	0.0803	1.44
PDC0703120MZF	12.0	1.0V/2.52M	0.0897	1.39
PDC0703150MZF	15.0	1.0V/2.52M	0.104	1.24
PDC0703180MZF	18.0	1.0V/2.52M	0.111	1.12
PDC0703220MZF	22.0	1.0V/2.52M	0.129	1.07
PDC0703270MZF	27.0	1.0V/2.52M	0.153	0.94
PDC0703330MZF	33.0	1.0V/2.52M	0.170	0.85
PDC0703390MZF	39.0	1.0V/2.52M	0.217	0.74
PDC0703470MZF	47.0	1.0V/2.52M	0.252	0.68
PDC0703560KZF	56.0	1.0V/2.52M	0.282	0.64
PDC0703680KZF	68.0	1.0V/2.52M	0.332	0.59
PDC0703820KZF	82.0	1.0V/2.52M	0.406	0.54
PDC0703101KZF	100	1.0V/1K	0.481	0.51
PDC0703121KZF	120	1.0V/1K	0.536	0.49
PDC0703151KZF	150	1.0V/1K	0.755	0.40
PDC0703181KZF	180	1.0V/1K	1.022	0.36
PDC0703221KZF	220	1.0V/1K	1.200	0.31
PDC0703271KZF	270	1.0V/1K	1.306	0.29
PDC0703331KZF	330	1.0V/1K	1.495	0.28

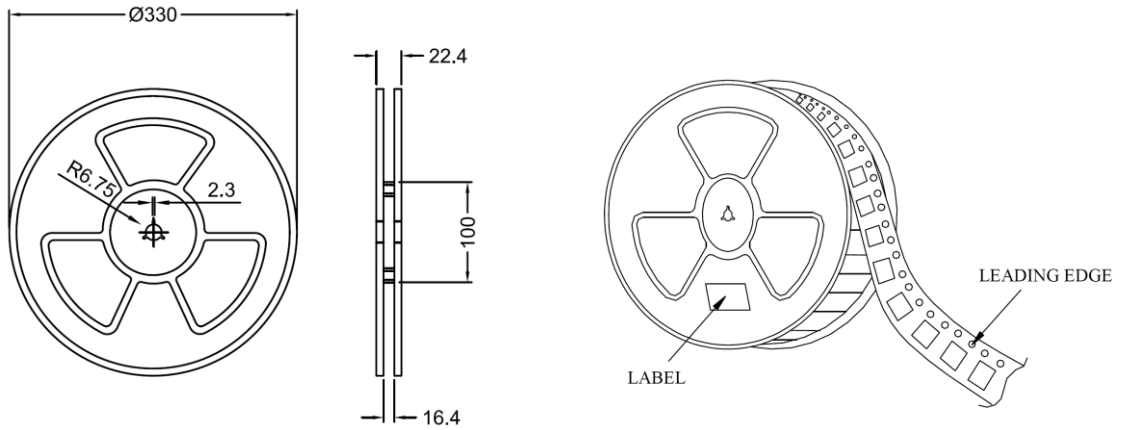
Tolerance: K = ± 10%; M = ± 20%

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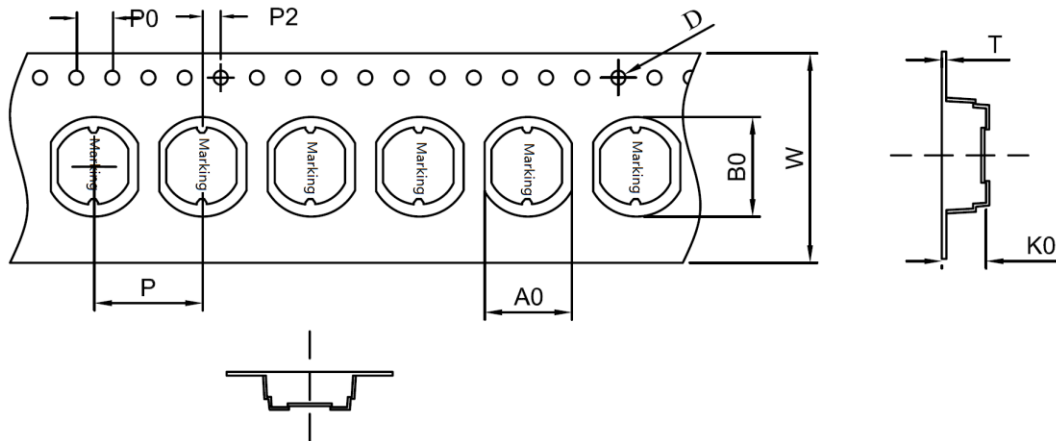


7. Packaging Information:

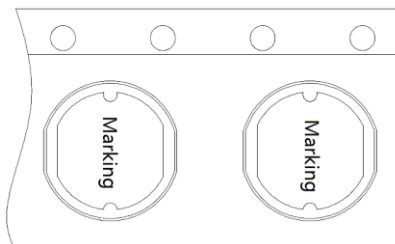
7-1. Configuration



7-2. Tape Dimension



A0(mm)	B0(mm)	K0(mm)	P(mm)	D(mm)	P0(mm)	P2(mm)	T(mm)	W(mm)
7.3±0.1	8.0±0.1	4.3±0.1	12.0±0.1	1.5+0.1/-0	4.0±0.1	2.0±0.1	0.35 Ref.	16.0+0.3/-0.1

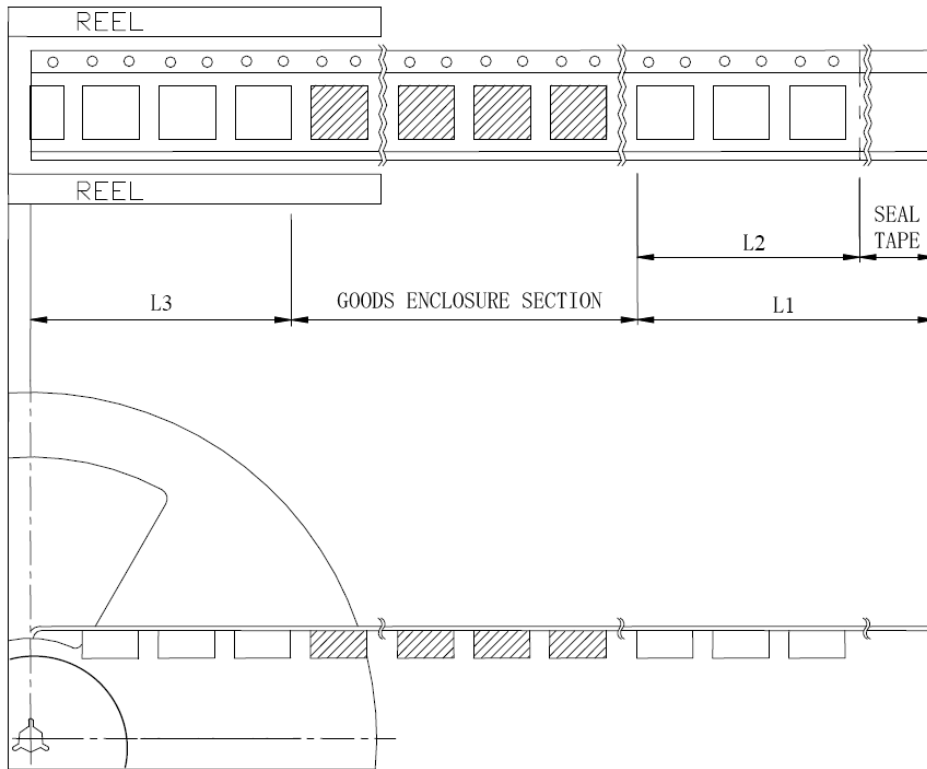


TAPE DIRECTION OF FEED

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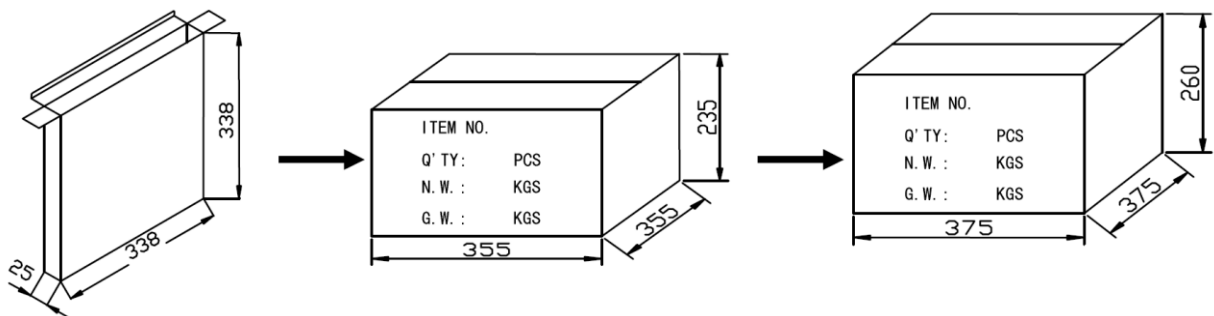
7-3. Tape Dimension



L1	Leader section length	400mm Min.
L2	Start carrier tape length	170mm Min.
L3	Trailer section length	170mm Min.
	Quantity	1000 pcs

7-4 Outer Packing (Unit : mm)

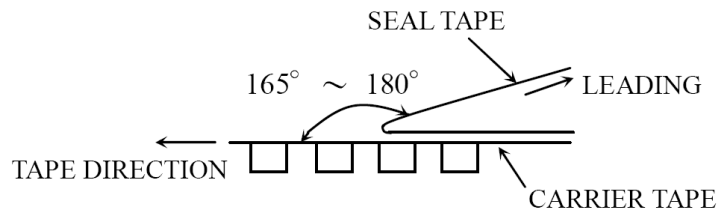
1Reel per inner box(1000PCS) 7PCS Inner boxes per outer box(7KPCS) Outside the box(7KPCS)



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7-5 Tearing Off Force

- a) The carrier tape and shield tape is wound in one continuous reel without any jointed portions.
- b) The angle between the seal tape during peeloff and the direction of unreeling shall be 165° to 180° . The seal tape shall adhere uniformly to the carrier tape along both sides in the direction of unreeling. The peel force with a peel speed of $300\text{mm}/\text{Min} \pm 10\text{mm}/\text{Min}$ shall be as follows:
 - i) 0.1N to 1.0N for an 8mm tape width.
 - ii) 0.1N to 1.3N for an 12mm-56mm tape width.



- c) Precaution: completed reels with radius less than 40mm will result in the following.
 - i) Cracks on the carrier tape
 - ii) Shield tape tearing off

7-6 Packing

- a) Position of coils in the carrier tape: Refer to the specification of the individual part.
- b) There should not be:
 - i) Wrong position of goods in the carrier tape.
 - ii) Rejected goods in the carrier tape.
 - iii) Missing goods from the carrier tape.
- c) One reel consists of 1000 pieces of coil.
- d) On the completed end of the reel, the carrier tape is fixed with a driving tape.

7-7 Handling Precaution

- a) The surface of the product cannot withstand a weight/force exceeding 9.8N.

7-8 Storage

- a) Goods to be stored under temperatures less than 60°C , With humidity not exceeding 90%, if the storage period is long, Reel should be rewound.

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