

1. PART NO. EXPRESSION :

PDC0705 1R0 MZF
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

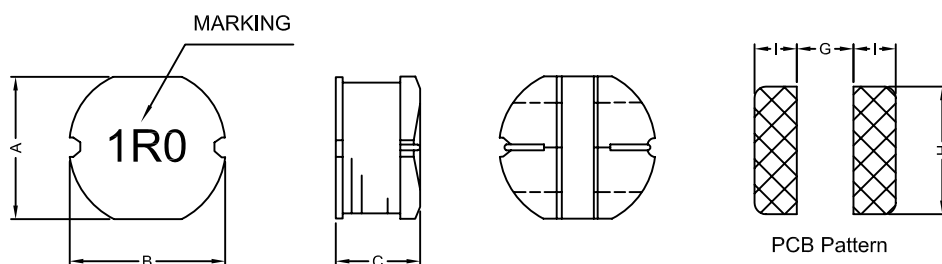
(c) Inductance code : 1R0 = 1.0uH

(d) Tolerance code : K = $\pm 10\%$, M = $\pm 20\%$

(e) X, Y, Z : Standard part

(f) F : RoHS Compliant

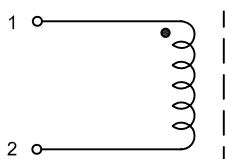
2. CONFIGURATION & DIMENSIONS :



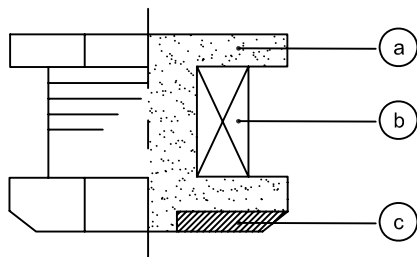
Unit : mm

A	B	C	G	H	I
7.0 $\pm$ 0.3	7.8 $\pm$ 0.3	5.0 $\pm$ 0.5	2.00 Ref.	7.50 Ref.	3.00 Ref.

3. SCHEMATIC :



4. MATERIALS :



(a) Drum Core

(b) Wire

(c) Electrode

5. GENERAL SPECIFICATION :

a) TEMP. RISE : 40°C MAX.

b) STORAGE CONDITION (COMPONENT IN ITS PACKAGING)

i) TEMPERATURE: -10°C TO 40°C

ii) HUMIDITY: 60%

c) OPERATING TEMPERATURE : -40°C TO 85°C



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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Drop10%
PDC0705100MZF	10 $\pm$ 20%	1V/2.52M	0.07	2.30
PDC0705120MZF	12 $\pm$ 20%	1V/2.52M	0.08	2.00
PDC0705150MZF	15 $\pm$ 20%	1V/2.52M	0.09	1.80
PDC0705180MZF	18 $\pm$ 20%	1V/2.52M	0.10	1.60
PDC0705220MZF	22 $\pm$ 20%	1V/2.52M	0.11	1.50
PDC0705270MZF	27 $\pm$ 20%	1V/2.52M	0.12	1.30
PDC0705330MZF	33 $\pm$ 20%	1V/2.52M	0.13	1.20
PDC0705390MZF	39 $\pm$ 20%	1V/2.52M	0.16	1.10
PDC0705470KZF	47 $\pm$ 10%	1V/2.52M	0.18	1.10
PDC0705560KZF	56 $\pm$ 10%	1V/2.52M	0.24	0.94
PDC0705680KZF	68 $\pm$ 10%	1V/2.52M	0.28	0.85
PDC0705820KZF	82 $\pm$ 10%	1V/2.52M	0.37	0.78
PDC0705101KZF	100 $\pm$ 10%	1V / 1K	0.43	0.72
PDC0705121KZF	120 $\pm$ 10%	1V / 1K	0.47	0.66
PDC0705151KZF	150 $\pm$ 10%	1V / 1K	0.64	0.58
PDC0705181KZF	180 $\pm$ 10%	1V / 1K	0.71	0.51
PDC0705221KZF	220 $\pm$ 10%	1V / 1K	0.96	0.49
PDC0705271KZF	270 $\pm$ 10%	1V / 1K	1.11	0.42
PDC0705331KZF	330 $\pm$ 10%	1V / 1K	1.26	0.40
PDC0705391KZF	390 $\pm$ 10%	1V / 1K	1.77	0.36
PDC0705471KZF	470 $\pm$ 10%	1V / 1K	1.96	0.34



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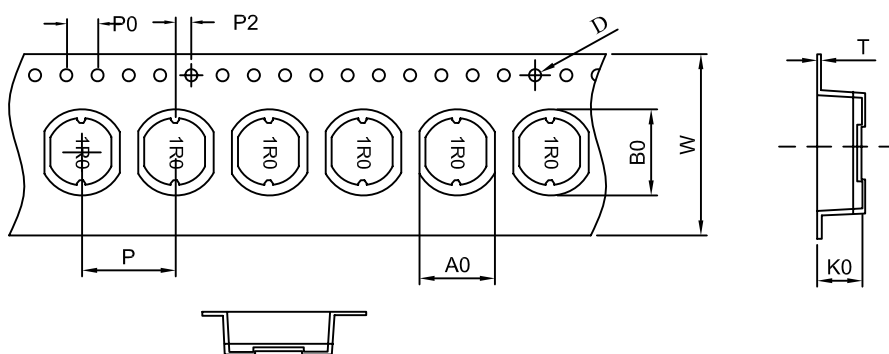
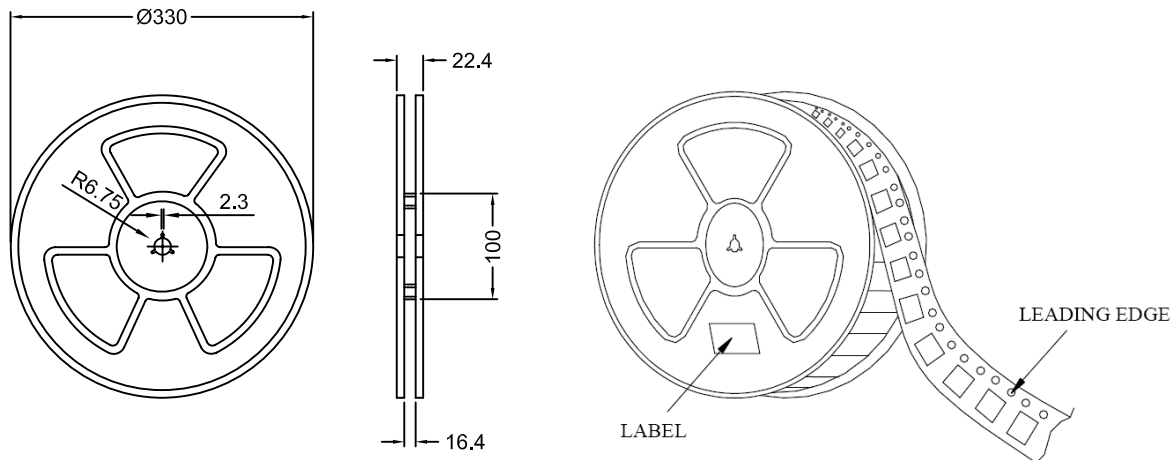
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7. PACKAGING INFORMATION :

(1) CONFIGURATION



(2) DIMENSIONS

Unit:m/m

W	A0	B0	K0	P	D	P0	P2	T
16.0+0.3/-0.1	7.3±0.10	8.0±0.10	5.7±0.10	12.0±0.10	1.5 +0.1/-0	4.0±0.10	2.0±0.10	0.4

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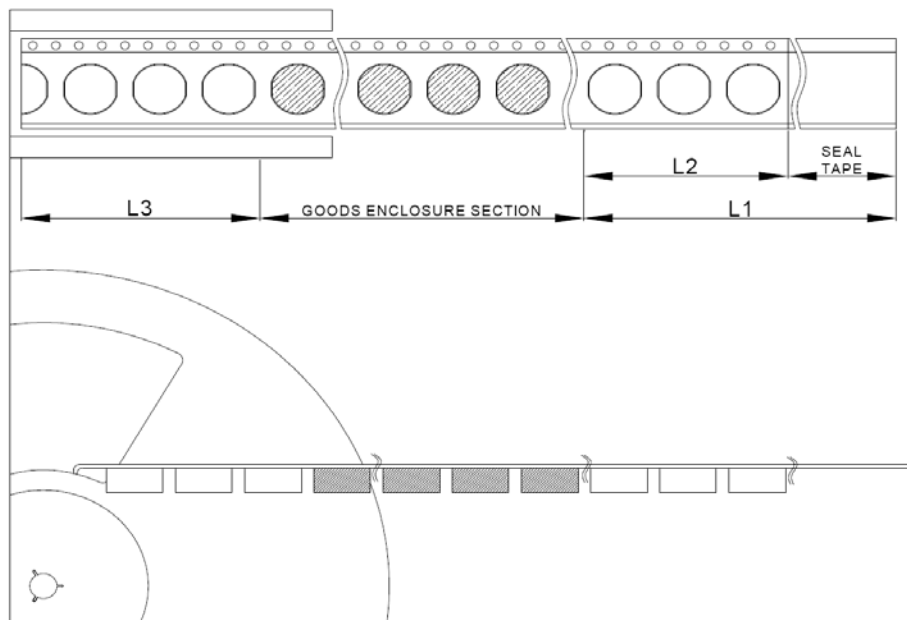


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7. PACKAGING INFORMATION :

(3) TAPE DIMENSION



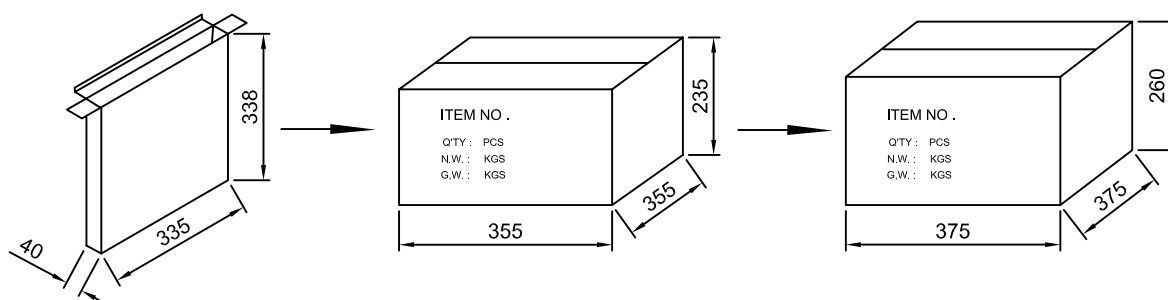
L1	LEADER SECTION LENGTH	MIN. 400mm
L2	START CARRIER TAPE LENGTH	MIN. 170mm
L3	TRAILER SECTION LENGTH	MIN. 170mm
	QUANTITY	1000PCS

(4) OUTER PACKING(UNIT:mm)

1 REEL PER INNER BOX (1000PCS)

7PCS INNER BOXES PER OUTER BOX (7KPCS)

OUTSIDE THE BOX (7KPCS)



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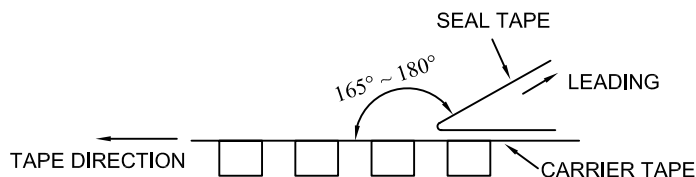


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7. PACKAGING INFORMATION :

(4) TAPING

- 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 300mm/MIN $\pm$ 10mm/MIN SHALL BE AS FOLLOWS :
 - 0.1N TO 1.0N FOR AN 8mm TAPE WIDTH.
 - 0.1N TO 1.3N FOR A 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

(5) 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.

(6) HANDING PRECAUTION

- a. THE SURFACE OF THE PRODUCT CANNOT WITHSTAND A WEIGHT/FORCE EXCEEDING 9.8N.

(7) 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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