

1. PART NO. EXPRESSION :

PDC05041R0MZF
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

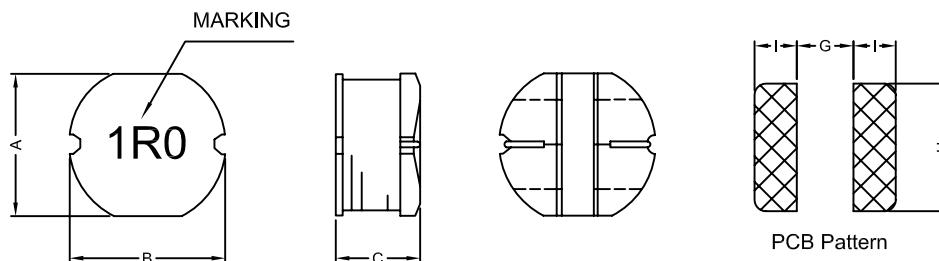
(c) Inductance code : 1R0 = 1.0uH

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

(e) X, Y, Z : Standard part

(f) F : RoHS Compliant

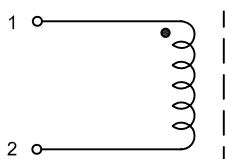
2. CONFIGURATION & DIMENSIONS :



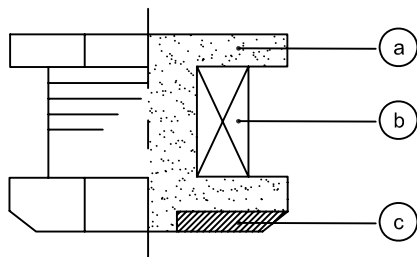
Unit : mm

A	B	C	G	H	I
5.2 $\pm$ 0.3	5.8 $\pm$ 0.3	4.50 $\pm$ 0.35	1.70 Ref.	5.50 Ref.	2.15 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%
PDC05041R0MZ	1.0 $\pm$ 20%	1V/7.96M	0.015	5.90
PDC05041R2MZ	1.2 $\pm$ 20%	1V/7.96M	0.020	5.20
PDC05041R5MZ	1.5 $\pm$ 20%	1V/7.96M	0.025	4.70
PDC05041R8MZ	1.8 $\pm$ 20%	1V/7.96M	0.030	4.00
PDC05042R2MZ	2.2 $\pm$ 2.0%	1V/7.96M	0.035	3.80
PDC05042R7MZ	2.7 $\pm$ 2.0%	1V/7.96M	0.040	3.40
PDC05043R3MZ	3.3 $\pm$ 20%	1V/7.96M	0.045	3.30
PDC05043R9MZ	3.9 $\pm$ 20%	1V/7.96M	0.050	2.90
PDC05044R7MZ	4.7 $\pm$ 20%	1V/7.96M	0.060	2.80
PDC05045R6MZ	5.6 $\pm$ 20%	1V/7.96M	0.070	2.40
PDC05046R8MZ	6.8 $\pm$ 20%	1V/7.96M	0.080	2.10
PDC05048R2MZ	8.2 $\pm$ 20%	1V/7.96M	0.090	2.00
PDC0504100MZ	10 $\pm$ 20%	1V/2.52M	0.100	1.44
PDC0504120MZ	12 $\pm$ 20%	1V/2.52M	0.120	1.40
PDC0504150MZ	15 $\pm$ 20%	1V/2.52M	0.140	1.30
PDC0504180MZ	18 $\pm$ 20%	1V/2.52M	0.150	1.23
PDC0504220MZ	22 $\pm$ 20%	1V/2.52M	0.180	1.11
PDC0504270MZ	27 $\pm$ 20%	1V/2.52M	0.200	0.97
PDC0504330KZ	33 $\pm$ 10%	1V/2.52M	0.230	0.88
PDC0504390KZ	39 $\pm$ 10%	1V/2.52M	0.320	0.80
PDC0504470KZ	47 $\pm$ 10%	1V/2.52M	0.370	0.72
PDC0504560KZ	56 $\pm$ 10%	1V/2.52M	0.420	0.68
PDC0504680KZ	68 $\pm$ 10%	1V/2.52M	0.460	0.61
PDC0504820KZ	82 $\pm$ 10%	1V/2.52M	0.600	0.58
PDC0504101KZ	100 $\pm$ 10%	1V/1K	0.700	0.52
PDC0504121KZ	120 $\pm$ 10%	1V/1K	0.930	0.48
PDC0504151KZ	150 $\pm$ 10%	1V/1K	1.100	0.40
PDC0504181KZ	180 $\pm$ 10%	1V/1K	1.380	0.38
PDC0504221KZ	220 $\pm$ 10%	1V/1K	1.570	0.35



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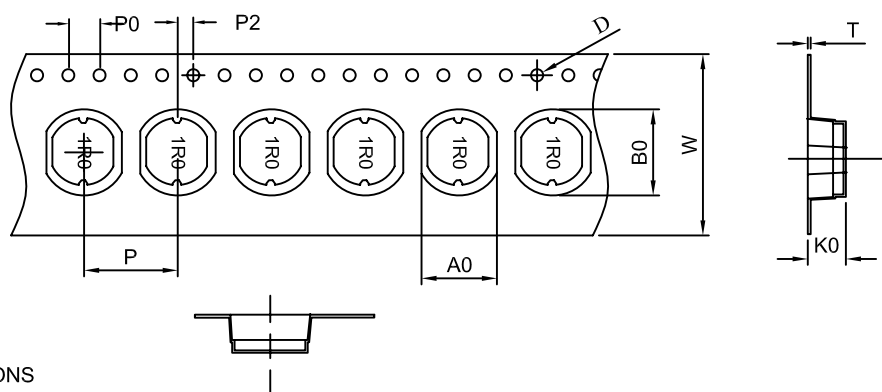
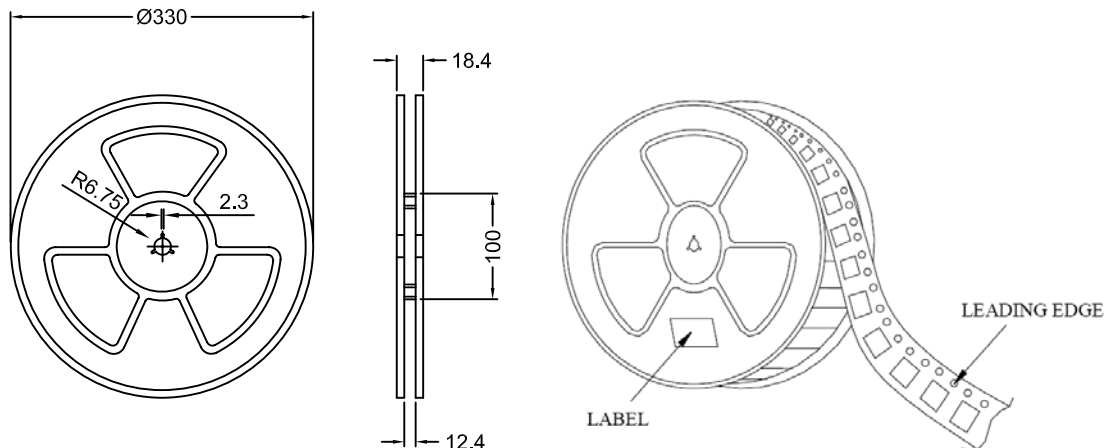
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7. PACKAGING INFORMATION :

(1) CONFIGURATION



(2) DIMENSIONS

Unit:m/m

W	A0	B0	K0	P	D	P0	P2	T
12.0+0.3/-0.1	5.5±0.10	6.0±0.10	4.7±0.10	8.0±0.10	1.5 +0.1/-0	4.0±0.10	2.0±0.10	0.4

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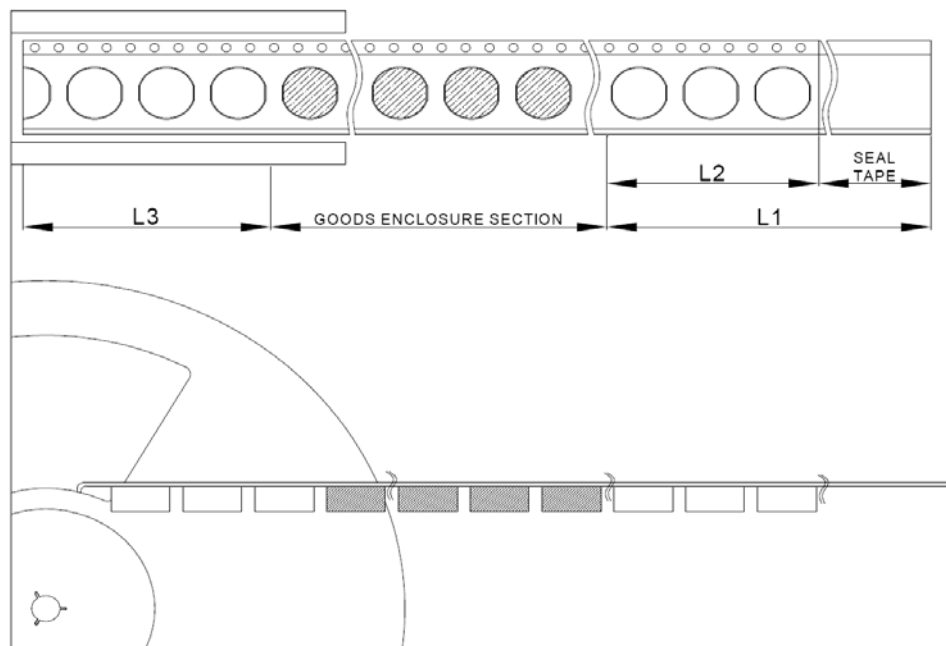


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7. PACKAGING INFORMATION :

(3) TAPE DIMENSION



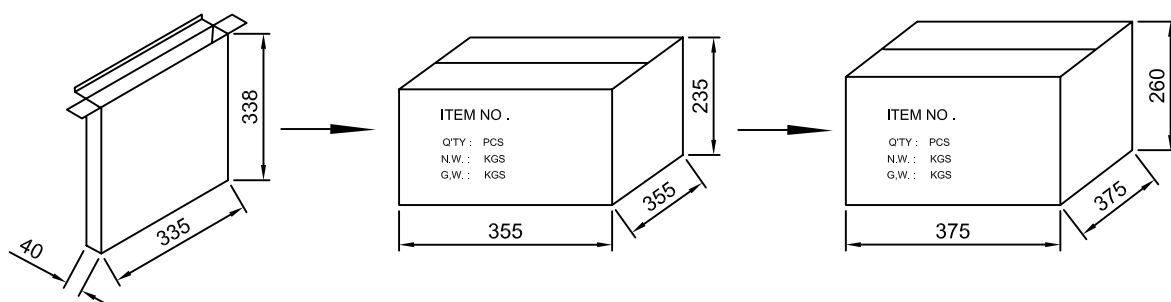
L1	LEADER SECTION LENGTH	MIN. 400mm
L2	START CARRIER TAPE LENGTH	MIN. 170mm
L3	TRAILER SECTION LENGTH	MIN. 170mm
	QUANTITY	1500PCS

(4) OUTER PACKING(UNIT:mm)

2 REEL PER INNER BOX (3000PCS)

5PCS INNER BOXES PER OUTER BOX (15KPCS)

OUTSIDE THE BOX (15KPCS)



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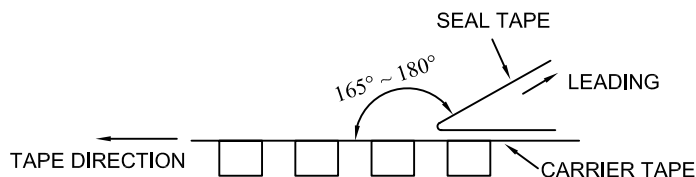
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7. PACKAGING INFORMATION :

(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 $300\text{mm}/\text{MIN} \pm 10\text{mm}/\text{MIN}$ 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 1500 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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