

1. PART NO. EXPRESSION :

PDC03021R0MZF

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

(a) Series code

(b) Dimension code

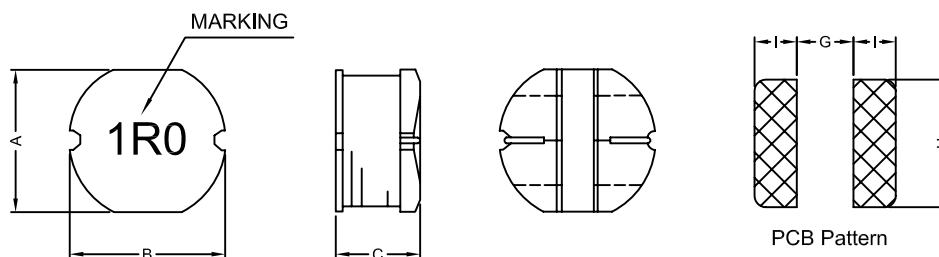
(c) Inductance code : 1R0 = 1.0uH

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

(e) X, Y, Z : Standard part

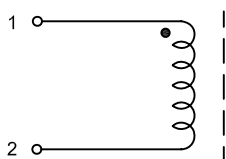
(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

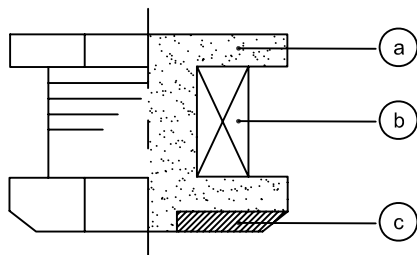


A	B	C	G	H	I
3.0 $\pm$ 0.3	3.5 $\pm$ 0.3	2.2 $\pm$ 0.3	0.80 Ref.	3.50 Ref.	1.60 Ref.

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%
PDC03021R0MZ	1.0 $\pm$ 20%	1V / 7.96M	0.055	2.50
PDC03021R4MZ	1.4 $\pm$ 20%	1V / 7.96M	0.060	2.00
PDC03021R8MZ	1.8 $\pm$ 20%	1V / 7.96M	0.070	1.90
PDC03022R2MZ	2.2 $\pm$ 20%	1V / 7.96M	0.090	1.70
PDC03022R7MZ	2.7 $\pm$ 20%	1V / 7.96M	0.100	1.60
PDC03023R3MZ	3.3 $\pm$ 20%	1V / 7.96M	0.130	1.30
PDC03023R9MZ	3.9 $\pm$ 20%	1V / 7.96M	0.150	1.20
PDC03024R7MZ	4.7 $\pm$ 20%	1V / 7.96M	0.180	1.10
PDC03025R6MZ	5.6 $\pm$ 20%	1V / 7.96M	0.210	1.00
PDC03026R8MZ	6.8 $\pm$ 20%	1V / 7.96M	0.230	0.95
PDC03028R2MZ	8.2 $\pm$ 20%	1V / 7.96M	0.310	0.90
PDC0302100MZ	10.0 $\pm$ 20%	1V / 2.52M	0.350	0.80
PDC0302120MZ	12.0 $\pm$ 20%	1V / 2.52M	0.390	0.70
PDC0302150MZ	15.0 $\pm$ 20%	1V / 2.52M	0.540	0.65
PDC0302180MZ	18.0 $\pm$ 20%	1V / 2.52M	0.620	0.60
PDC0302220MZ	22.0 $\pm$ 20%	1V / 2.52M	0.720	0.55
PDC0302270MZ	27.0 $\pm$ 20%	1V / 2.52M	0.820	0.50
PDC0302330MZ	33.0 $\pm$ 20%	1V / 2.52M	1.100	0.45
PDC0302390MZ	39.0 $\pm$ 20%	1V / 2.52M	1.200	0.40
PDC0302470MZ	47.0 $\pm$ 20%	1V / 2.52M	1.600	0.38



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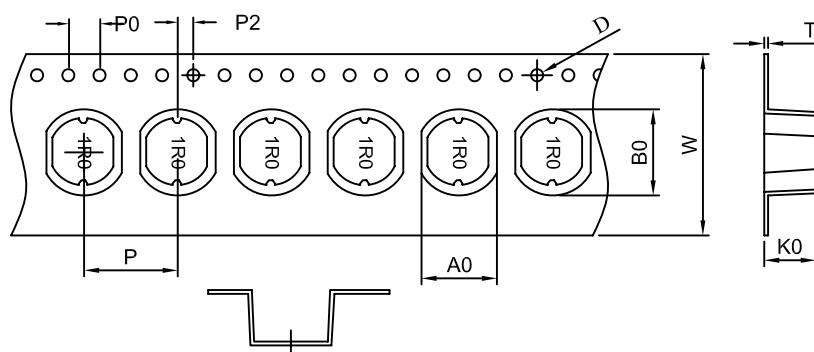
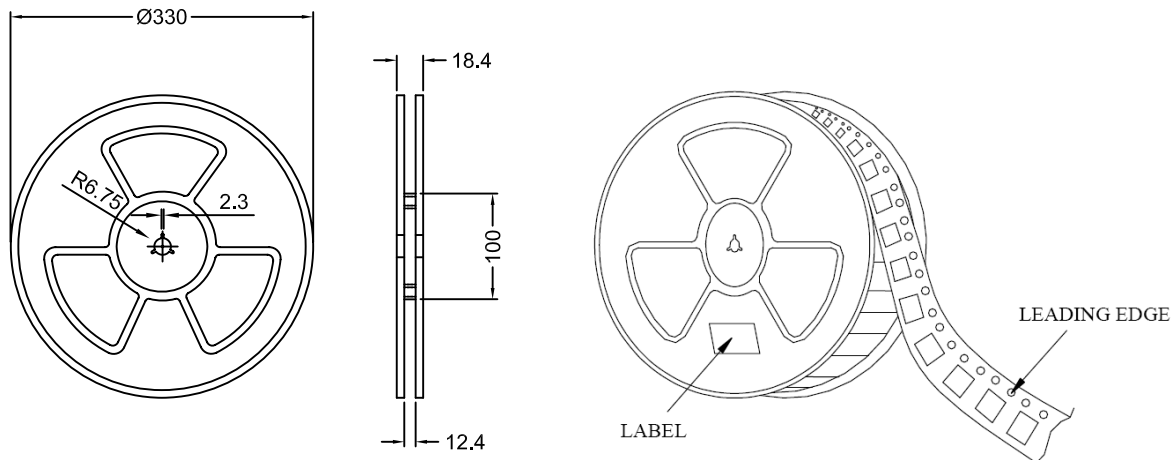
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7. PACKAGING INFORMATION :

(1) CONFIGURATION



(2) DIMENSIONS

Unit:m/m

W	A0	B0	K0	P	D	P0	P2	T
12.0+0.3/-0.1	3.3±0.10	3.8±0.10	2.3±0.10	8.0±0.10	1.5 +0.1/-0	4.0±0.10	2.0±0.10	0.3

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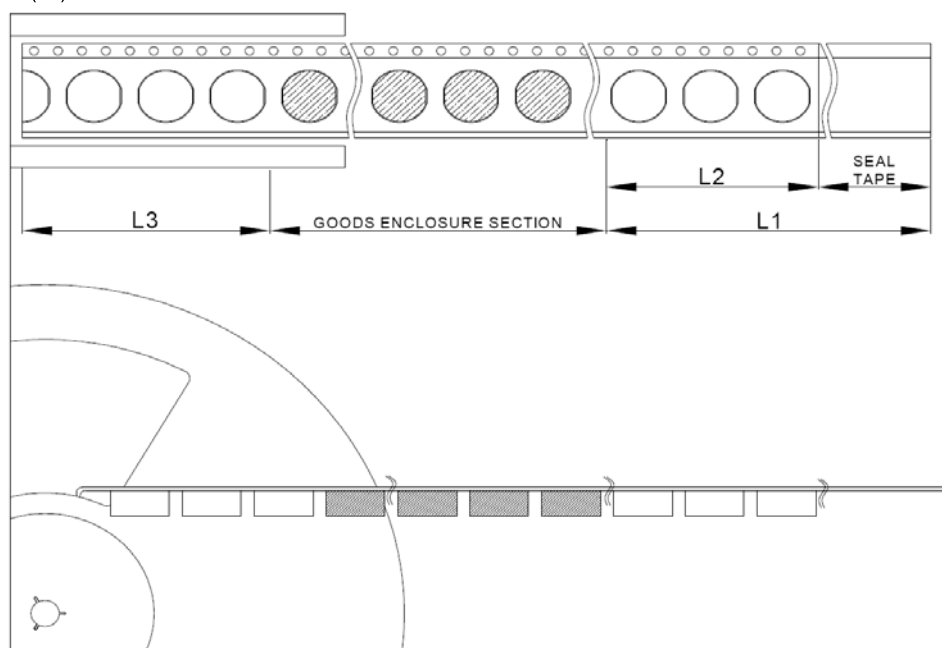


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7. PACKAGING INFORMATION :

(3) TAPE DIMENSION



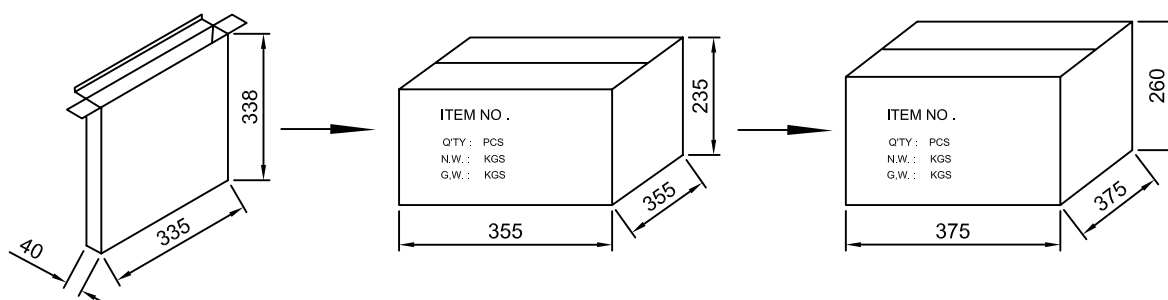
L1	LEADER SECTION LENGTH	MIN. 400mm
L2	START CARRIER TAPE LENGTH	MIN. 170mm
L3	TRAILER SECTION LENGTH	MIN. 170mm
	QUANTITY	3000PCS

(4) OUTER PACKING(UNIT:mm)

2 REEL PER INNER BOX (6000PCS)

5PCS INNER BOXES PER OUTER BOX (30KPCS)

OUTSIDE THE BOX (30KPCS)



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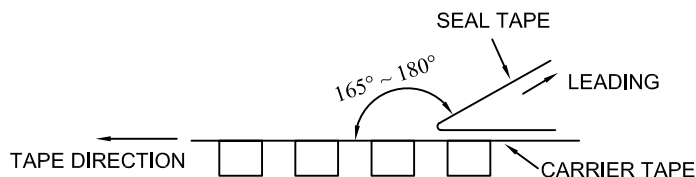


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7. PACKAGING INFORMATION :

(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 3000 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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