

1. PART NO. EXPRESSION :

P D C 0 7 0 3 1 R 0 M Z F
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

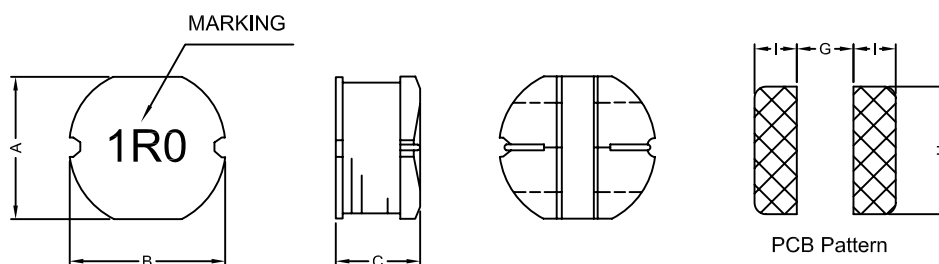
(c) Inductance code : 1R0 = 1.0uH

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

(e) X, Y, Z : Standard part

(f) F : RoHS Compliant

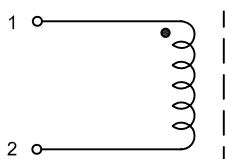
2. CONFIGURATION & DIMENSIONS :



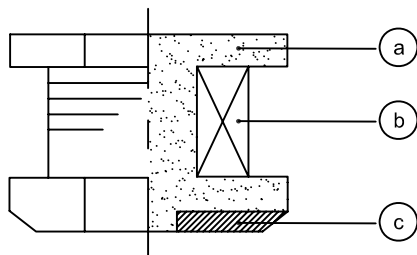
Unit : mm

A	B	C	G	H	I
7.0 $\pm$ 0.3	7.8 $\pm$ 0.3	3.5 $\pm$ 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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01.07.2015

PG. 1

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Drop10%
PDC0703100MZF	10 $\pm$ 20%	1V2.52M	0.0803	1.44
PDC0703120MZF	12 $\pm$ 20%	1V2.52M	0.0897	1.39
PDC0703150MZF	15 $\pm$ 20%	1V2.52M	0.104	1.24
PDC0703180MZF	18 $\pm$ 20%	1V2.52M	0.111	1.12
PDC0703220MZF	22 $\pm$ 20%	1V2.52M	0.129	1.07
PDC0703270MZF	27 $\pm$ 20%	1V2.52M	0.153	0.94
PDC0703330MZF	33 $\pm$ 20%	1V2.52M	0.170	0.85
PDC0703390MZF	39 $\pm$ 20%	1V2.52M	0.217	0.74
PDC0703470MZF	47 $\pm$ 20%	1V2.52M	0.252	0.68
PDC0703560KZF	56 $\pm$ 10%	1V2.52M	0.282	0.64
PDC0703680KZF	68 $\pm$ 10%	1V2.52M	0.332	0.59
PDC0703820KZF	82 $\pm$ 10%	1V2.52M	0.406	0.54
PDC0703101KZF	100 $\pm$ 10%	1V / 1K	0.481	0.51
PDC0703121KZF	120 $\pm$ 10%	1V / 1K	0.536	0.49
PDC0703151KZF	150 $\pm$ 10%	1V / 1K	0.755	0.40
PDC0703181KZF	180 $\pm$ 10%	1V / 1K	1.022	0.36
PDC0703221KZF	220 $\pm$ 10%	1V / 1K	1.200	0.31
PDC0703271KZF	270 $\pm$ 10%	1V / 1K	1.306	0.29
PDC0703331KZF	330 $\pm$ 10%	1V / 1K	1.495	0.28



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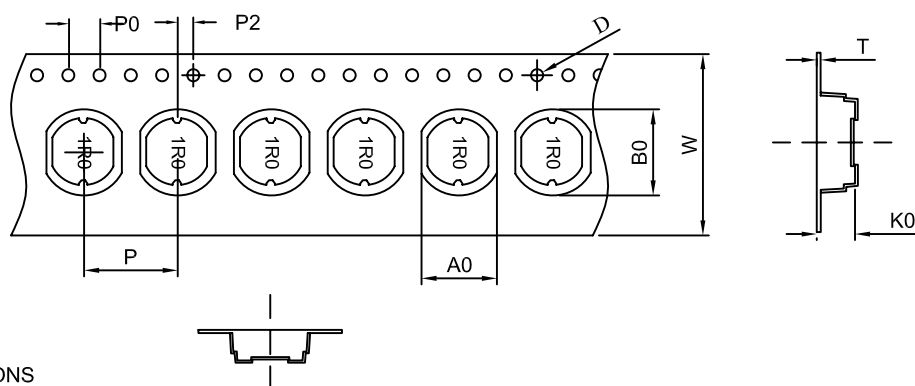
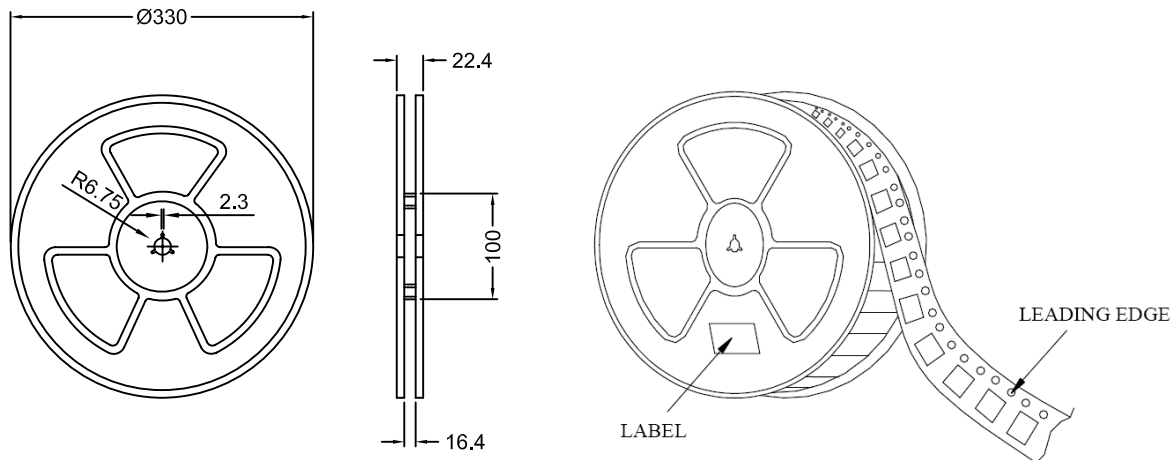
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7. PACKAGING INFORMATION :

(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	4.3±0.10	12.0±0.10	1.5 +0.1/-0	4.0±0.10	2.0±0.10	0.35

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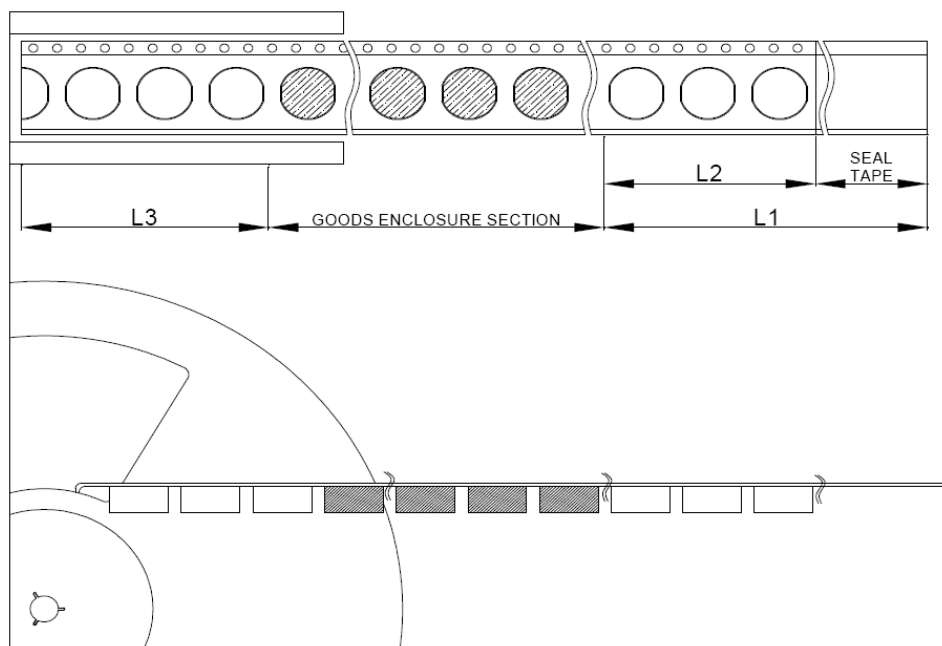
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7. PACKAGING INFORMATION :

(3) TAPE DIMENSION



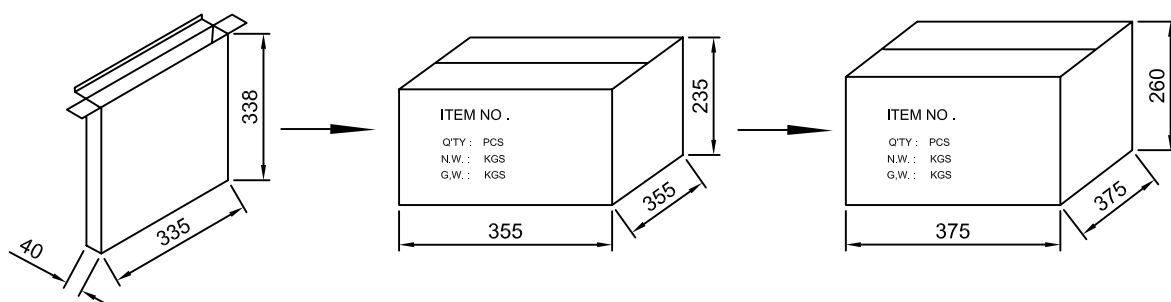
L1	LEADER SECTION LENGTH	MIN. 400mm
L2	START CARRIER TAPE LENGTH	MIN. 170mm
L3	TRAILER SECTION LENGTH	MIN. 170mm
	QUANTITY	1000PCS

(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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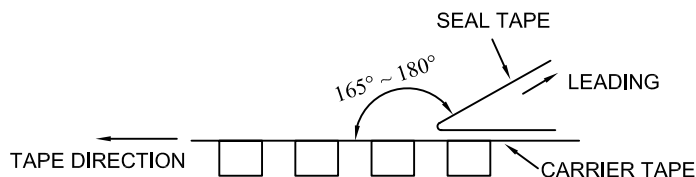


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7. PACKAGING INFORMATION :

(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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PG. 5