

1. PART NO. EXPRESSION :

PDC0403 1R0 MZF
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

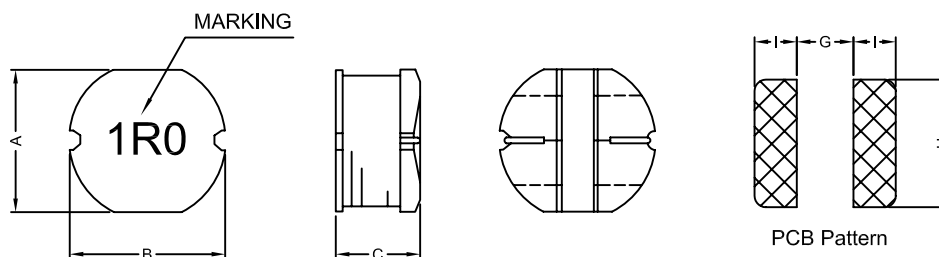
(c) Inductance code : 1R0 = 1.0uH

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

(e) X, Y, Z : Standard products

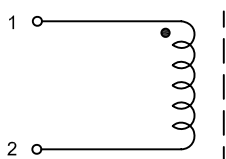
(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

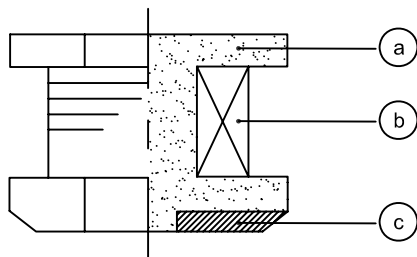


A	B	C	G	H	I
4.0 $\pm$ 0.3	4.5 $\pm$ 0.3	3.2 $\pm$ 0.3	1.50 Ref.	4.50 Ref.	1.75 Ref.

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%
PDC04031R0MZF	1.0 $\pm$ 20%	1V/7.96M	0.033	3.80
PDC04031R4MZF	1.4 $\pm$ 20%	1V/7.96M	0.038	3.30
PDC04031R8MZF	1.8 $\pm$ 20%	1V/7.96M	0.042	2.91
PDC04032R2MZF	2.2 $\pm$ 20%	1V/7.96M	0.047	2.60
PDC04032R7MZF	2.7 $\pm$ 20%	1V/7.96M	0.052	2.43
PDC04033R3MZF	3.3 $\pm$ 20%	1V/7.96M	0.058	2.15
PDC04033R9MZF	3.9 $\pm$ 20%	1V/7.96M	0.076	1.98
PDC04034R7MZF	4.7 $\pm$ 20%	1V/7.96M	0.094	1.70
PDC04035R6MZF	5.6 $\pm$ 20%	1V/7.96M	0.101	1.60
PDC04036R8MZF	6.8 $\pm$ 20%	1V/7.96M	0.117	1.41
PDC04038R2MZF	8.2 $\pm$ 20%	1V/7.96M	0.132	1.26
PDC0403100MZF	10.0 $\pm$ 20%	1V/2.52M	0.182	1.15
PDC0403120MZF	12.0 $\pm$ 20%	1V/2.52M	0.210	1.05
PDC0403150MZF	15.0 $\pm$ 20%	1V/2.52M	0.235	0.92
PDC0403180MZF	18.0 $\pm$ 20%	1V/2.52M	0.338	0.84
PDC0403220MZF	22.0 $\pm$ 20%	1V/2.52M	0.378	0.76
PDC0403270MZF	27.0 $\pm$ 20%	1V/2.52M	0.522	0.71
PDC0403330KZF	33.0 $\pm$ 10%	1V/2.52M	0.540	0.64
PDC0403390KZF	39.0 $\pm$ 10%	1V/2.52M	0.587	0.59
PDC0403470KZF	47.0 $\pm$ 10%	1V/2.52M	0.844	0.54
PDC0403560KZF	56.0 $\pm$ 10%	1V/2.52M	0.937	0.50
PDC0403680KZF	68.0 $\pm$ 10%	1V/2.52M	1.117	0.46



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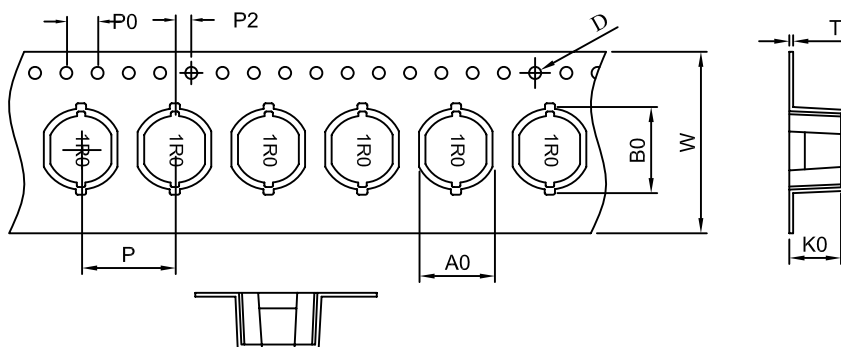
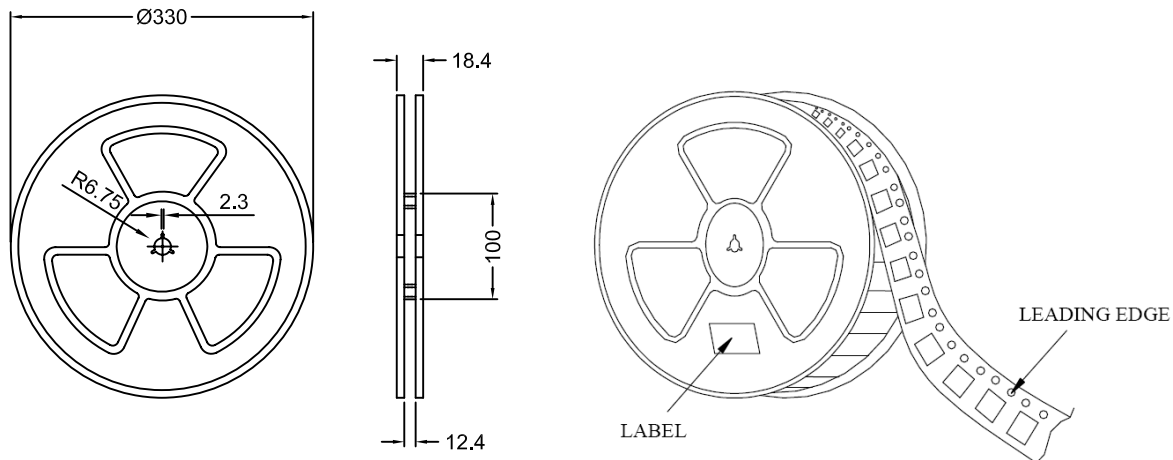
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7. PACKAGING INFORMATION :

(1) CONFIGURATION



(2) DIMENSIONS

Unit:m/m

W	A0	B0	K0	P	D	P0	P2	T
12.0+0.3/-0.1	4.15±0.10	5.1±0.10	3.5±0.10	8.0±0.10	1.5 +0.1/-0	4.0±0.10	2.0±0.10	0.35

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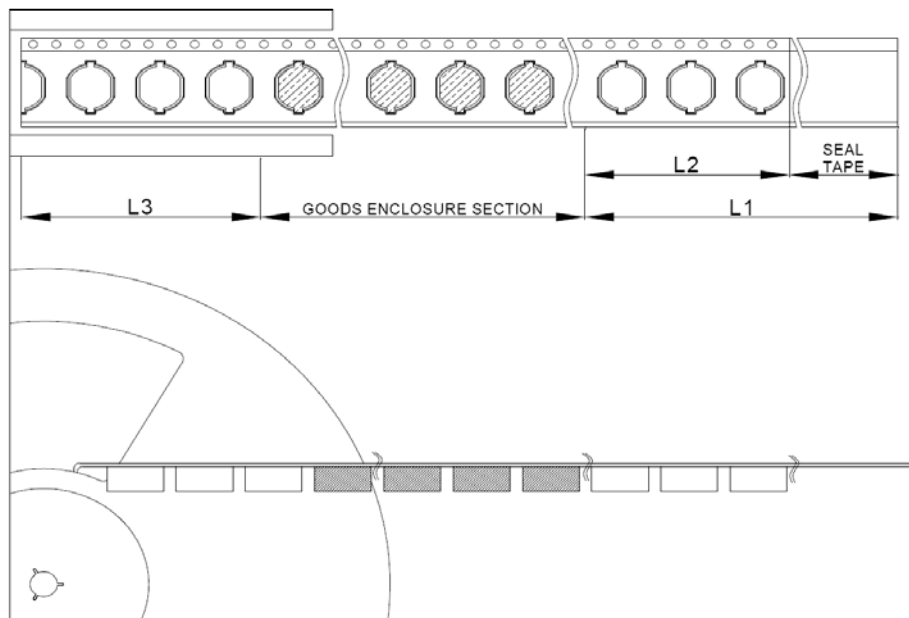


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7. PACKAGING INFORMATION :

(3) TAPE DIMENSION



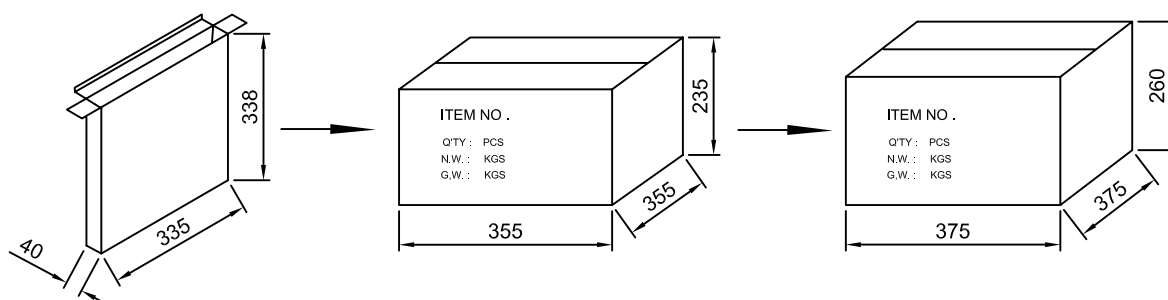
L1	LEADER SECTION LENGTH	MIN. 400mm
L2	START CARRIER TAPE LENGTH	MIN. 170mm
L3	TRAILER SECTION LENGTH	MIN. 170mm
	QUANTITY	2000PCS

(4) OUTER PACKING(UNIT:mm)

2 REEL PER INNER BOX (4000PCS)

5PCS INNER BOXES PER OUTER BOX (20KPCS)

OUTSIDE THE BOX (20KPCS)



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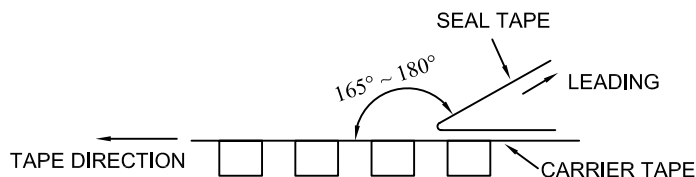


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7. PACKAGING INFORMATION :

(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 2000 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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