

SPECIFICATION TYPE : MC152



Customer **BEC DISTRIBUTION LTD**

Customer's Dwg. Number _____ Rev. _____

Customer's Part Number **429244**

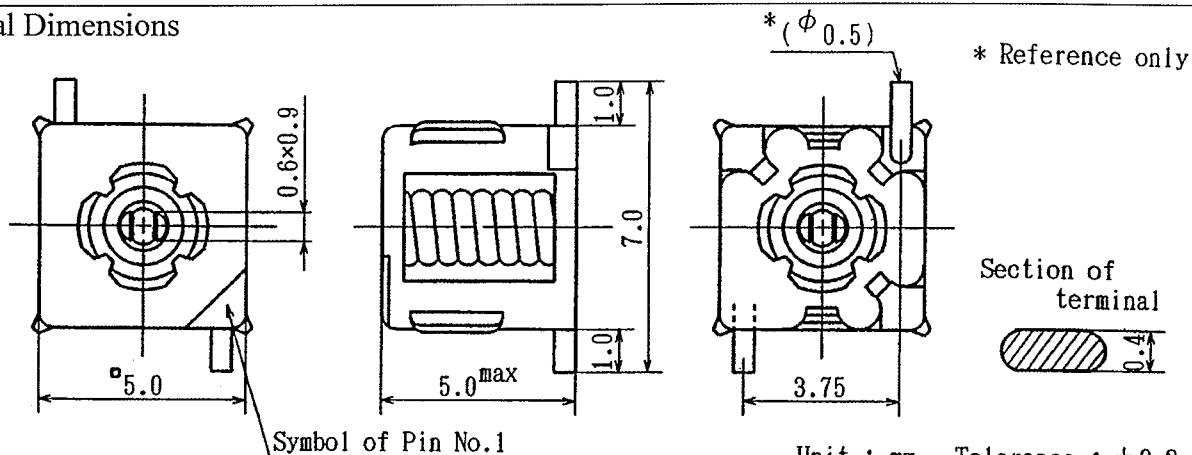
Toko Sample Number **#E558CN-100244=P3**

Approved by _____

Signature _____ Date _____

One copy with your signature is required as your confirmation to our specifications.

Physical Dimensions



Weight : 0.31g/1pcs (Ref.)

	Customer's Specifications		Toko's Specifications			
Test frequency (Ft)			100MHz			
Tuning Range (1 – 3)			18.1pF ± 2% min			
· Tolerance ()			—			
Inductance ()			—			
Unloaded Q (1 – 3)			120 ± 20%			
T.C()						
	Number of turns		Wire (mm)			
				Number of turns	Wire (mm)	
				1 – 3	6½	0.5
					(Ref.)	
Connection (Bottom View)						
s : start of winding ■ : key of case ✕ : cut of pin						

Notes 1. Q & C consider nominal-coil as a standard.
2. Core position : Top of the bobbin.

Approved by STANLEY WONG	Checked by IVAN LEUNG	Made by MA KAM YING	Orig 2011-08-29	Issues	Sign
---------------------------------	------------------------------	----------------------------	--------------------	--------	------

TOKO Electronic Mfg. Co., Ltd.

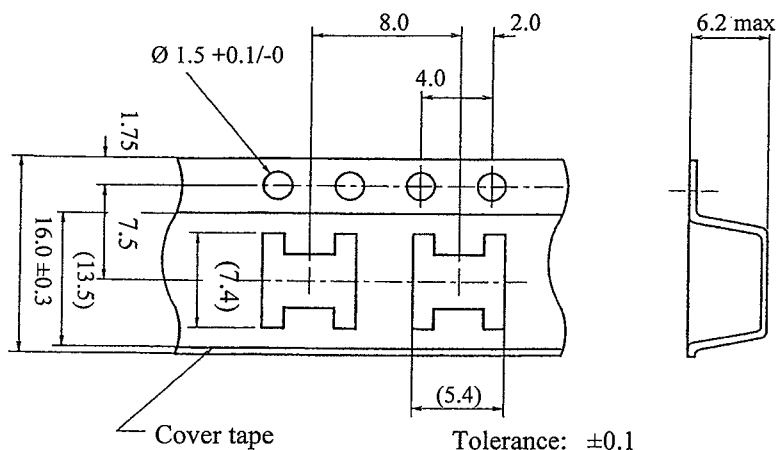
8/F Yau Lee Centre, 45 Hoi Yuen Road,
Kwun Tong, Kowloon, Hong Kong.
Tel: 852-23428131 Fax: 852-27979161

GENERAL SPECIFICATION (MC152)

Item	Specification	Conditions
1. Resistance to Solvent	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	The samples must be fixed on a PCB. Immerse for one minute in Isopropyl-Alcohol at $25 \pm 5^\circ\text{C}$. Measure after 1 to 2 hour exposure at room temperature and humidity.
2. Vibration Test	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to vibration of 1.5mm amplitude, frequency 10 ~ 55Hz (10Hz to 55Hz to 10Hz in a period of 20 minute) for 2 hours in each of three (X,Y,Z) axes.
3. Resistance to Reflow soldering Heat	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to 170°C for Pre-heating for 60 to 90 seconds then at $250 \pm 5^\circ\text{C}$ (230°C min, 30 seconds) Measure after one hour exposure at room temperature and humidity.
4. Solderability Test	Solder covered surface shall be more than 75%.	Terminals shall be immersed for 5 to 10 seconds in flux at room temperature. Dip sample into solder bath containing molten solder at $245 \pm 5^\circ\text{C}$ for 3 ± 0.5 seconds.
5. Shock Test	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to shock force of 981m/s^2 for 0.01 second 3 times in each of three (X,Y,Z) axes.
6. Humidity Test	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to $40 \pm 2^\circ\text{C}$ and 90% to 95% relative humidity for 96 ± 6 hours. Measure after 1 to 2 hour exposure at room temperature and humidity.
7. Dry Heat Test	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to $85 \pm 2^\circ\text{C}$ for 96 ± 6 hours. Measure after 1 to 2 hour exposure at room temperature and humidity.
8. Cold Test	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to $-25 \pm 3^\circ\text{C}$ for 96 ± 6 hours. Measure after 1 to 2 hour exposure at room temperature and humidity.
9. Temperature Cycle Test	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	Samples shall be subjected to 5 cycles of $-25 \pm 3^\circ\text{C}$ for 30 minutes, 25°C for 10 minutes, $85 \pm 2^\circ\text{C}$ for 30 minutes and 25°C for 10 minutes. Measure after 1 to 2 hour exposure at room temperature and humidity.

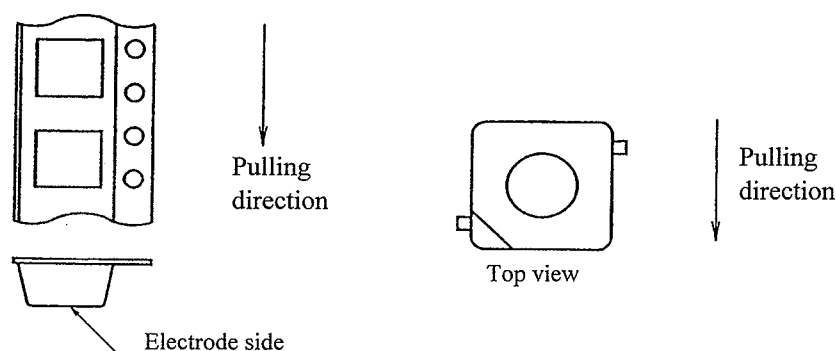
TAPE&REEL SPECIFICATION

[TAPE DETAILS]



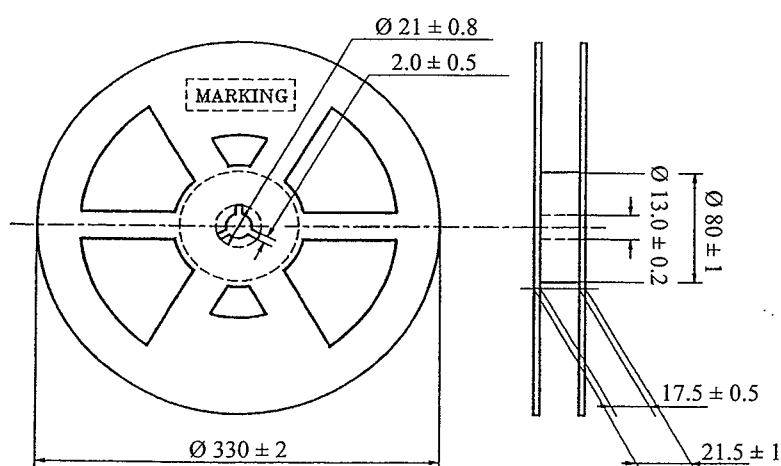
- 1) Carrier tape material shall be Polystyrene.
- 2) Cover tape material shall be Polyethylene or Polyethylene Terephthalate.
- 3) Cover tape shall neither cover feed hole nor bulge out of carrier tape.
- 4) The range of the force to peel away the cover tape shall be;
Min. 0.2 N, Max. 0.7N.

[TAPING METHOD]



- 1) Electrode shall be packaged in the tapes upside down against cover tape.
- 2) 20 pitches (no components) minimum leaders shall be provided at the beginning and the end of each reel.
- 3) 400 mm minimum leaders including no component carrier tape shall be provided at the end of reel.

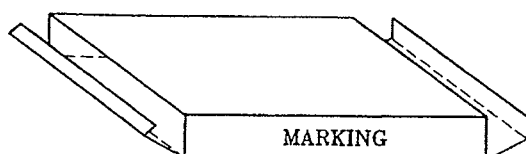
[REEL DETAILS]



- 1) Each reel shall be permanently and legibly marked with the following;

Customer's part number
Quantity
Lot number
TOKO type
- 2) Reel material shall be Polystyrene.
Reel conform to EIAJ ET-7200.
- 3) Parts quantity per reel shall be 1,500 pieces.
(1,500 pcs./ 1reel)

[PACKING BOX]



- 1) Packing box material shall be kraft paper.
- 2) Reel quantity per packing box shall be 1 reel (1,500 pcs./1 box).
- 3) Each packing box shall be permanently and legibly marked with the following;

Customer's part number
Quantity
Lot number
TOKO type