

SPECIFICATION TYPE : MC152



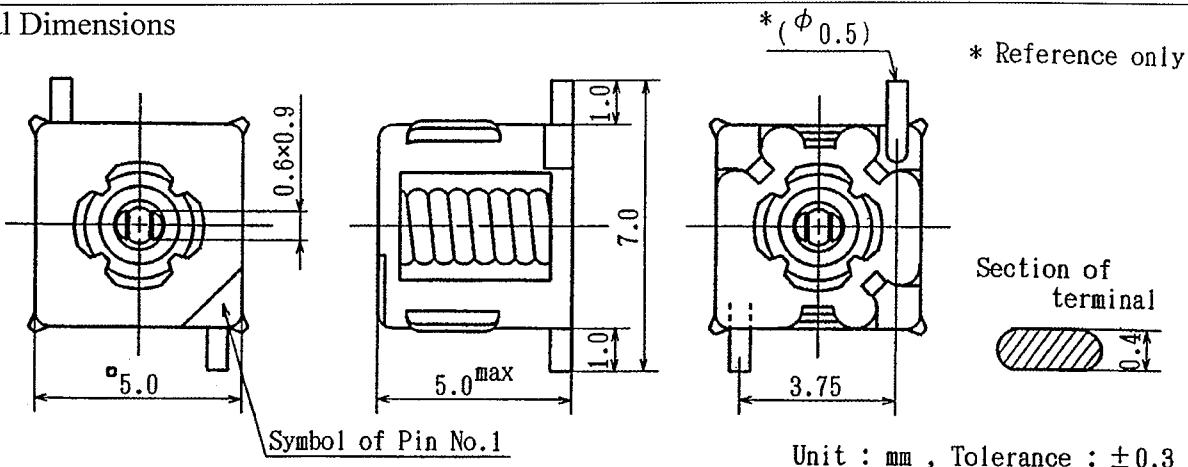
Customer BEC DISTRIBUTION LTD
 Customer's Dwg. Number Rev.
 Customer's Part Number 429244
 Toko Sample Number #E558CN-100244=P3

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

TOKO Electronic Mfg. Co., Ltd.

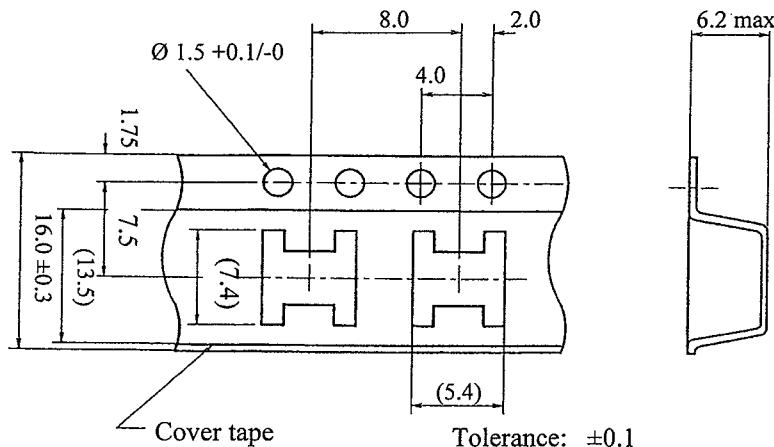
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GENERAL SPECIFICATION (MC152)

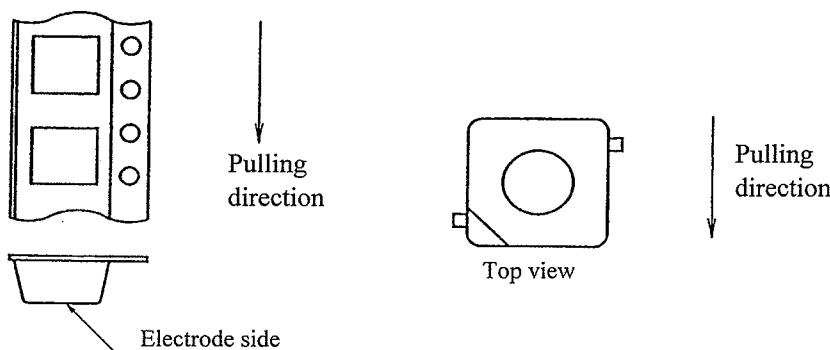
Item	Specification	Conditions
1. Resistance to Solvent	Inductance : within $\pm 1.0\%$ Unloaded Q : within $\pm 20\%$	The samples must be fixed on a PCB. Immerse for one minute in Isopropyl-Alcohol at $25 \pm 5^\circ\text{C}$. Measure after 1 to 2 hour exposure at room temperature and humidity.
2. Vibration 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.

MC152 TYPE TAPE&REEL SPECIFICATION

[TAPE DETAILS]



[TAPING METHOD]

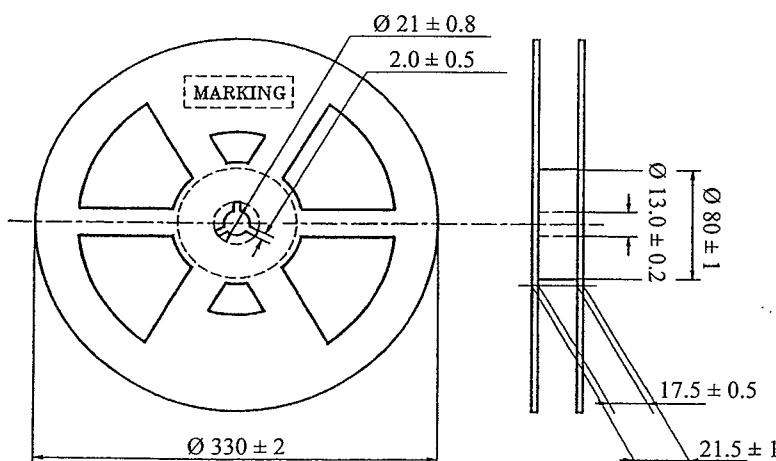


1) Electrode shall be packaged in the tapes upside down against cover tape.

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]



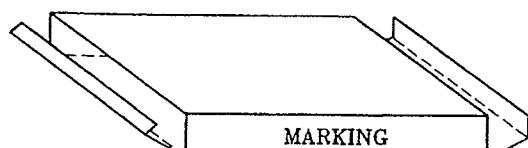
1) Each reel shall be permanently and legibly marked with the following;

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./1 reel)

[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