



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: Dielectric filter 3450MHz BW 300MHz SMD 7.4x4.35mm

TST Parts No.: TR0027A

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Hongpu Lin *Hong Pu Lin*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2020/07/30

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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Dielectric filter 3450MHz SMD 7.4x4.35mm

MODEL NO.: TR0027A

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 1W max.
2. DC Voltage : 0 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature:-40°C to +85°C
5. Input/output impedance: 50 Ω
6. Moisture Sensitivity Level: Level 2a (**MSL 2a**)

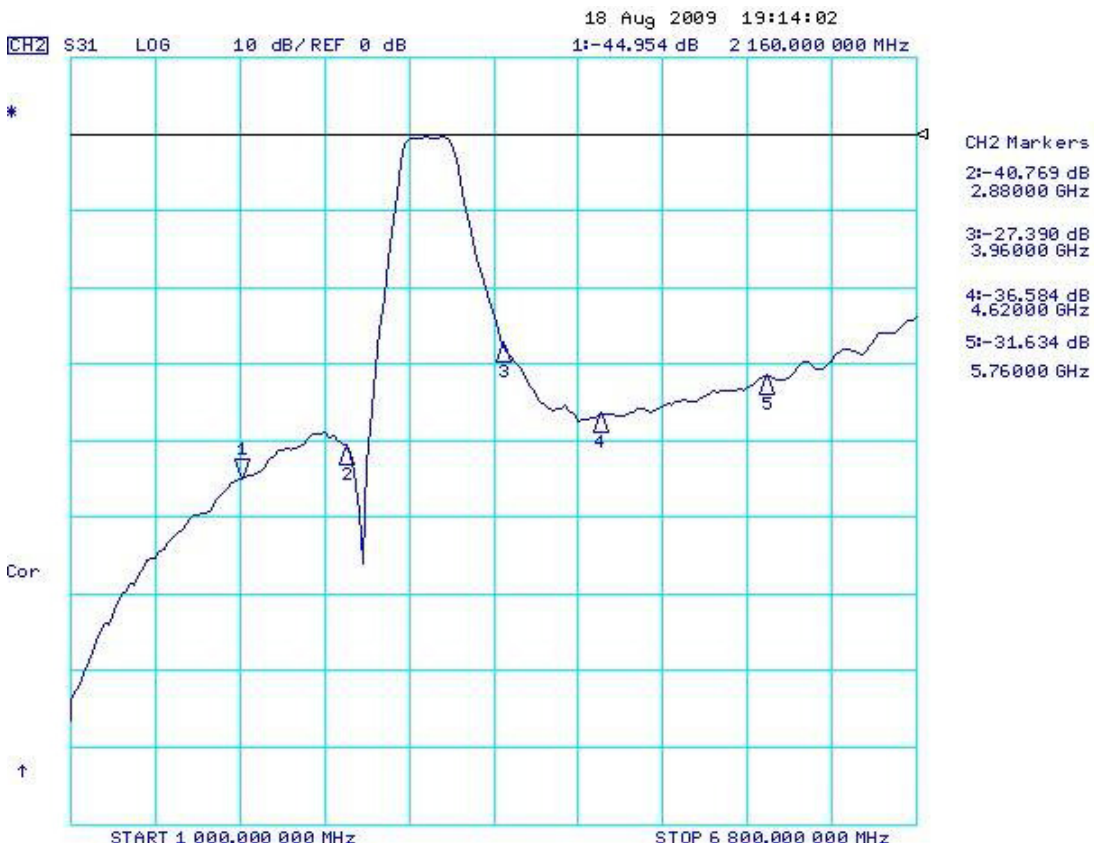
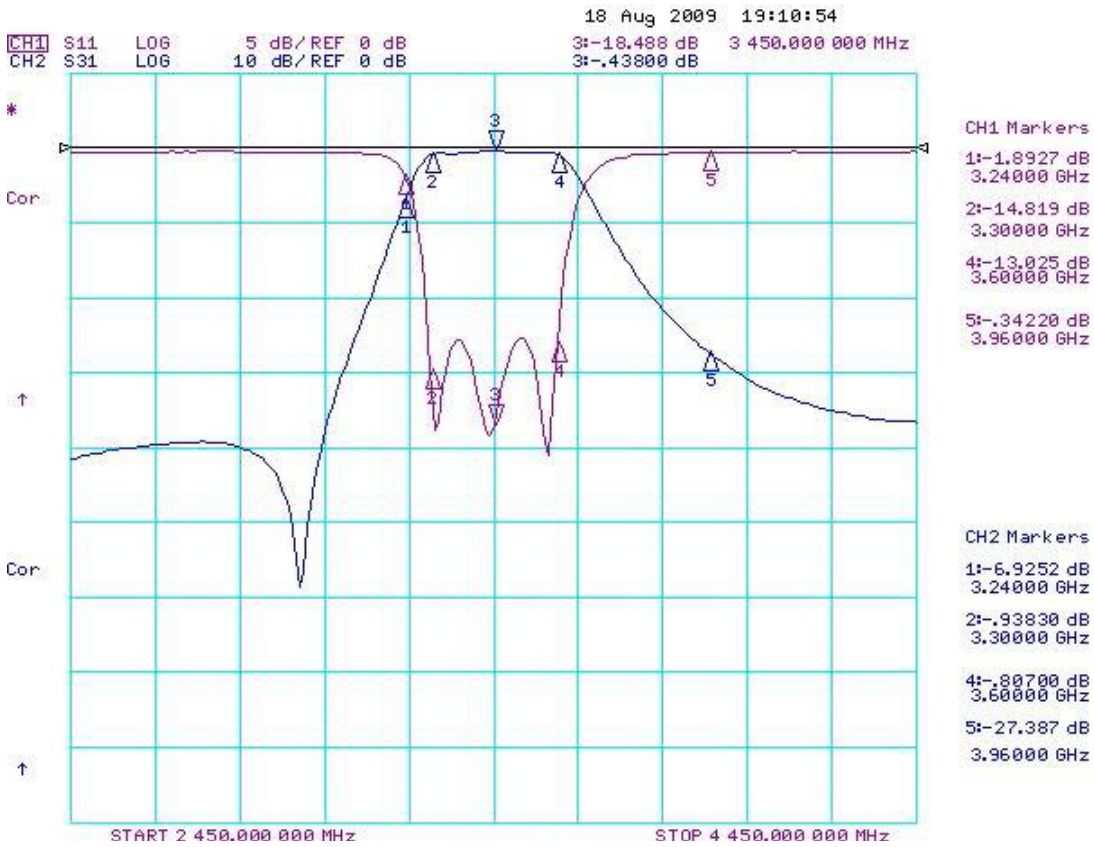
Electrostatic Sensitive Device (ESD)

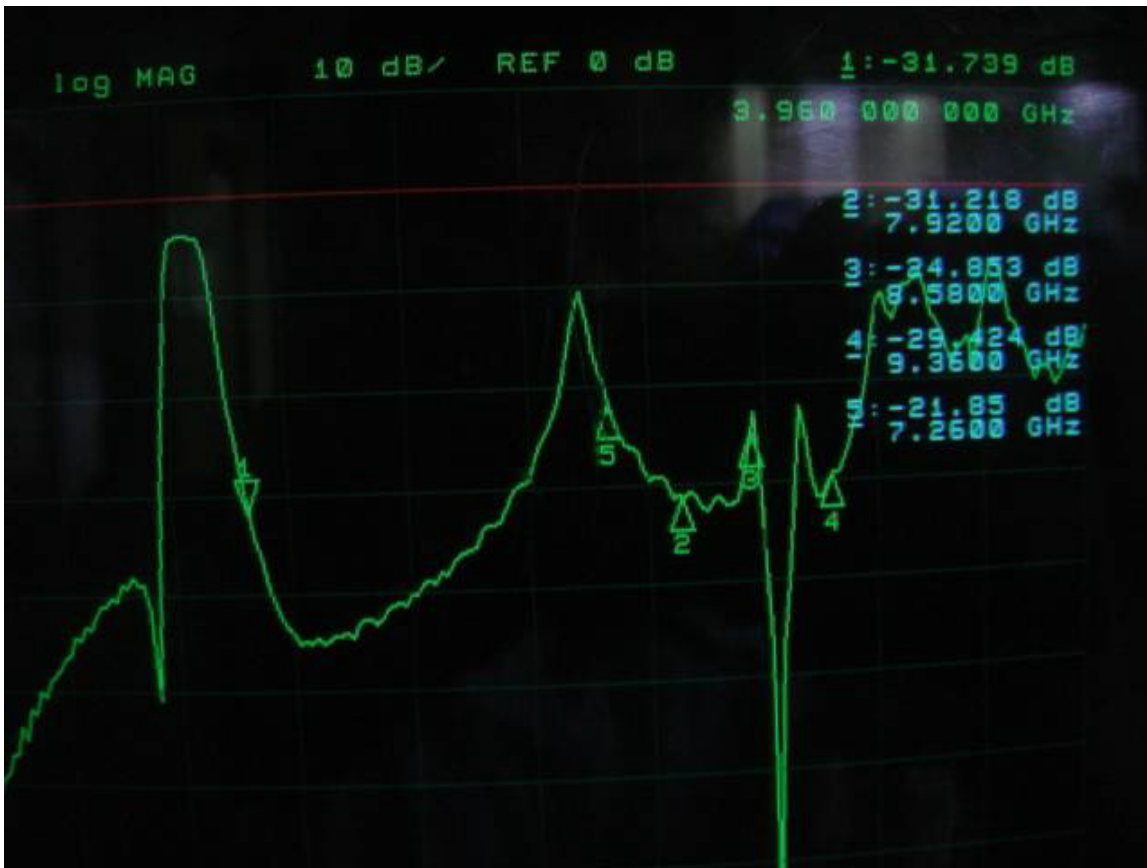
B. ELECTRICAL CHARACTERISTICS:

NO.	ITEM	SPECIFICATION			
		min	typ	Max	
1	PASS BAND INSERTION LOSS (3300~3600MHz)	-	1.0 dB	2.0 dB	
2	PASS BAND RIPPLE (3300~3600MHz)	-	0.5 dB	1.0 dB	
3	PASS BAND RETURN LOSS (3300~3600MHz)	11 dB	13 dB		
4	STOP-BAND ATTENUATION	at 660 ~ 720 MHz	35 dB	60 dB	
		at 1320 ~ 1440 MHz	35 dB	50 dB	
		at 1980 ~ 2160 MHz	40 dB	44 dB	
		at 2640 ~ 2880 MHz	35 dB	40 dB	
		at 2970 ~ 3240 MHz	5 dB	6.5 dB	
		at 3960 ~ 4320 MHz	25 dB	28 dB	
		at 4620 ~ 5040 MHz	20 dB	38 dB	
		at 5280 ~ 5760 MHz	25 dB	32 dB	
		at 7260 ~ 7920 MHz	17 dB	20 dB	
		at 8580 ~ 9360 MHz	15 dB	24 dB	

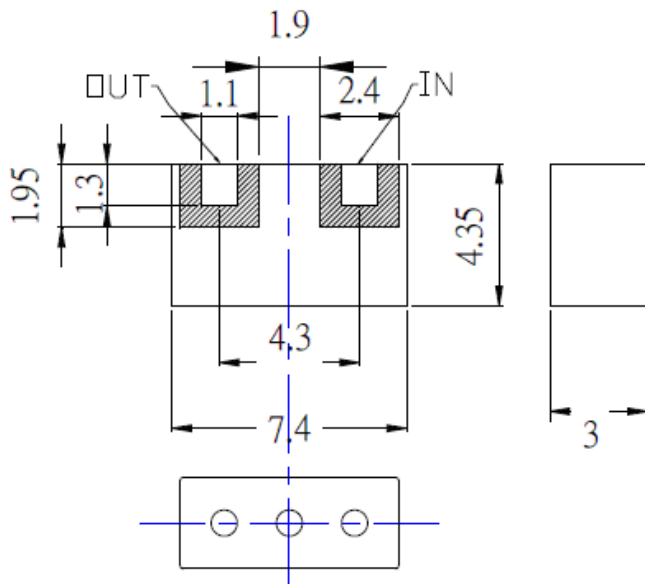
Item NO.4 specifies the absolute value of attenuation.

C. FREQUENCY CHARACTERISTICS:





D. DIMENSION:



**CROCOMM
450H0809**

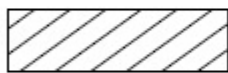
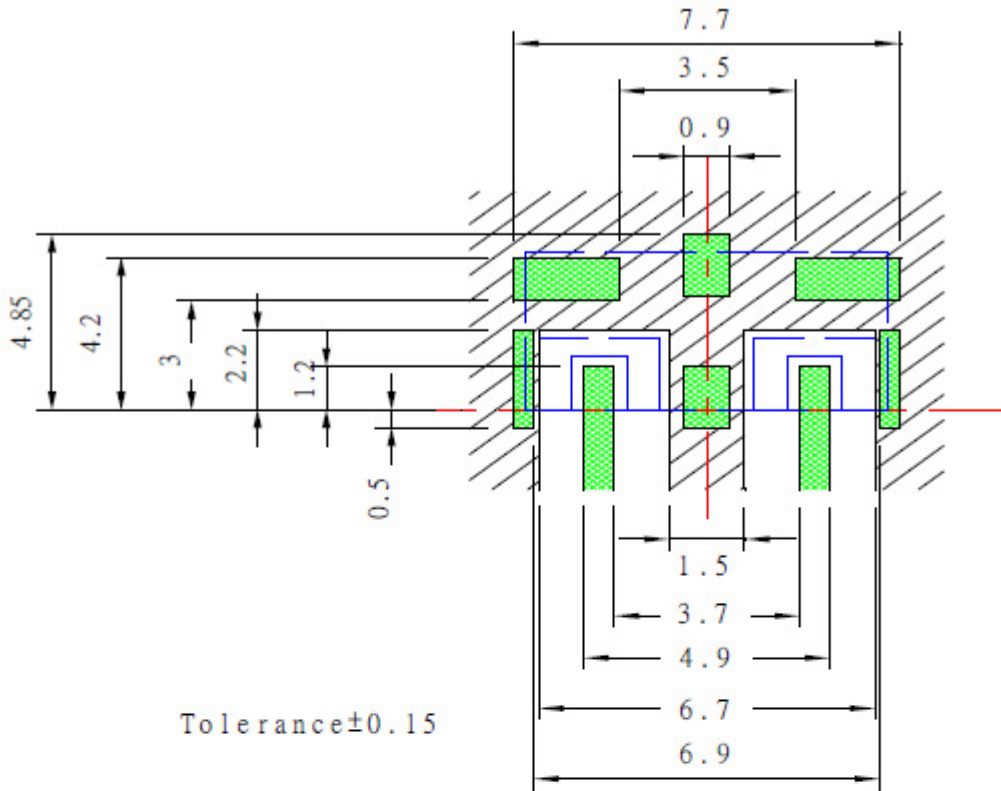
Dimensions in mm
Tolerance: ±0.2

450H : product name (3450H)
08 : month
09 : year (2009)

E.PCB RECOMMENDED PATTERN FOR FILTER:

Note: Test PCB material: Rogers 3.38, 0.5mm.

The filter use limit: the layout goes away PCB edge.



Conductive Material:
Ground, connected to
lower ground diameter of
0.3mm and max.distance
of 1.0mm.



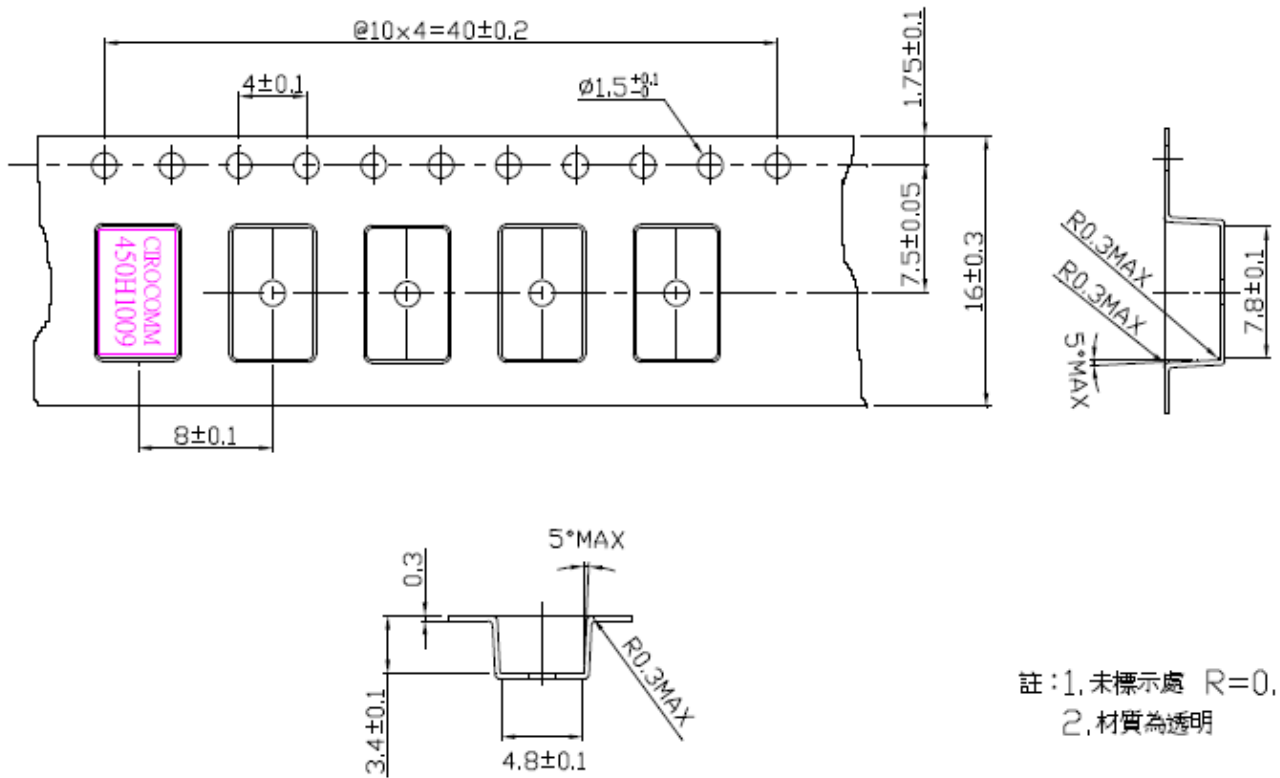
I/O Pads and LAND,
I/O must be connected to lines with
 50Ω impedance.
in the application a
termination of 50Ω
must be realized.



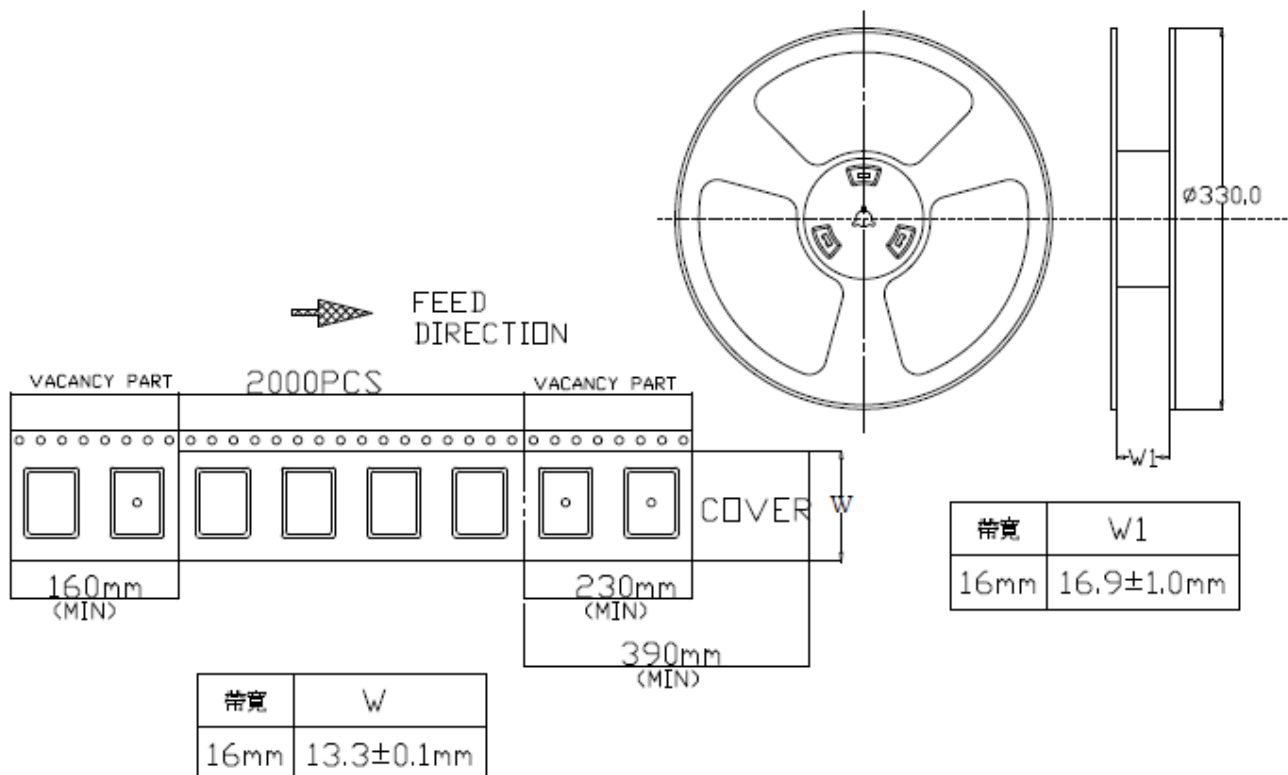
Solder Resist Without
Pattern

F. PACKING:

Carrier tape

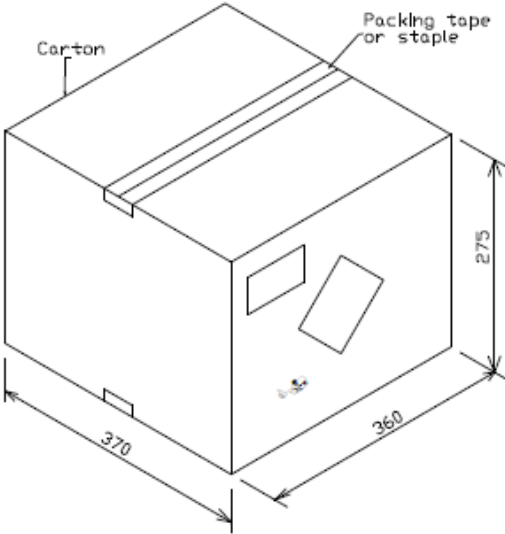


Reel

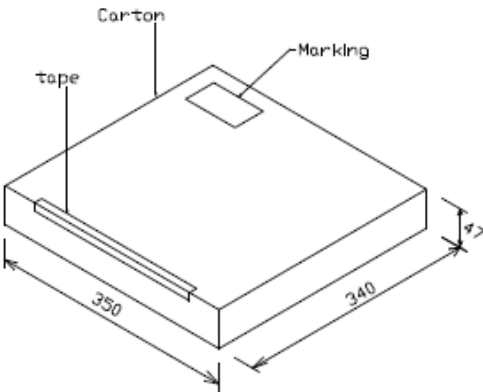


Package style

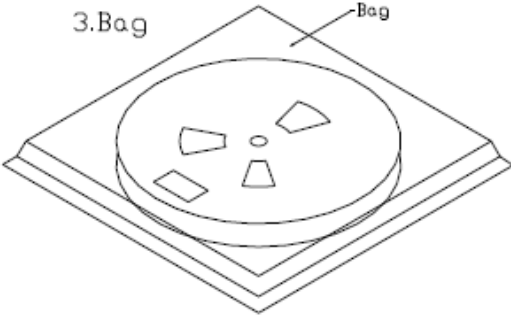
1. Outer Carton



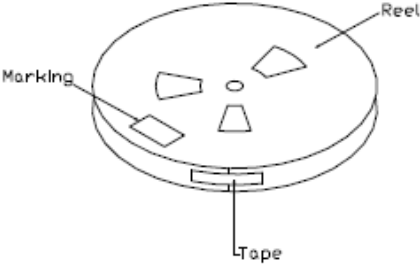
2. Inner Carton



3. Bag



4. Taping



Unit:mm