TO:

Notification about Change of Stick (magazine) Material (PVC to PS) of Package TO-220 Outsourced Products

TOSHIBA

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Toshiba Electronic Devices & Storage Corporation

1. Outline of Change

1. Products subject to change

Please see the product list.

2. Purpose of change: To reduce environmental impact

Currently, sticks(magazine) made of PVC (Polyvinyl chloride) are used as a standard packing material of a subcontractor. The material will be changed to PS (Polystyrene).

3. Description of change: Material and stick

	Before Change	After Change		
Material	PVC (Polyvinyl chloride)	PS (Polystyrene)		
Stick(magazine)	Subcontractor's standard	Toshiba's standard		

4. Schedule of change

The change is scheduled to start from the production of October 2023.

5. Other

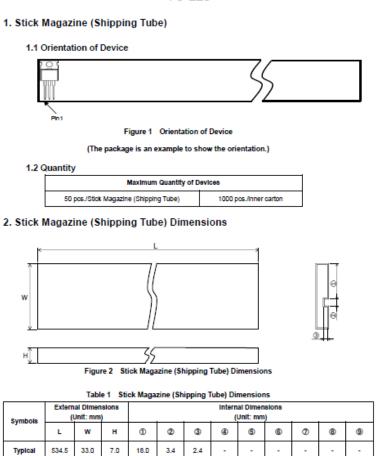
The change of the packing material will not entail any change in the electrical characteristics and reliability of the products.

2. Packing Material Specifications and Drawing

For reference

The packing material specifications will not be changed.

Stick Magazine (Shipping Tube) Packaging specifications for TO-220



±0.2

Tolerance

±0.2

±0.2

±0.2 ±0.2

3. Inner Carton

Inner Carton

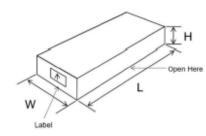


Figure 3 Inner Carton Dimensions

Table 2 Inner Carton Dimensions (Outer Dimensions)

		Unit: mm
L	w	Н
570	160	55

4. Label

Figure 4 is a label affixed to a carton.

About ① to ②, refer to the following explanation.

Refer to Figure 3 for the label position.

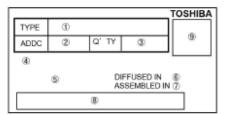


Figure 4 Label

- Part Number
- ② Additional Code
- Quantity
- Lot Code
- (5) Environmental Information
- 6 Country/Region of Origin(Pellet Process)
- (7) Country/Region of Origin(Assembly Process)
- 8 Bar Code
- Matrix Code
- * Only the packing material will be changed (PVC to PS); the device quantity per stick, the stick dimensions, and the inner carton will not be changed.

3. Packing Material Test Results

For reference

Transport test result: Pas The new packing material was confirmed having no problems.

<Basic test>

Frequency = 5Hz

Total amplitude = 20 mm

G-factor = 1G

Direction = Up and down, left and right

Time = 45 min for up and down, 45 min for left and right

<Resonance test>

Frequency = 10-60Hz

G-factor = 0.5G

Direction = Up and down

Time = 15 min

<Drop test>

Drop height = 60 cm

The number of drops = 9 drops

包装認定試験

回装認定通知書および製品評価報告書

	No.	依頼年月日	申請部門	承認	確認	担当
包装認定通知書		2022年11月14日				

対象製品

製品名		製品区分		既存		新規		変更	□その他	
		包装区分		既存		新規	Ø	変更	□ VA/CD □ ₹	の他
外形名	L TOXIT	包装総質量	16.9Kg							
		出荷開始				年		月	日	
包装形態	マガジン(スティック、チューブ)	適用輸送手段	輸出一般輸送							

包装試験内容

			試験条件	□ 国内条件	☑ 輸出条件	
			周波数:5Hz			
		基本	全振幅: 20mm	時間:上下 30分	時間:上下 45分	
	振動	試験	G-factor: 1 G	左右 30分	左右 45分	
性			方 向:上下および左右			
			周波数:10~60Hz		時間: 15分	
		共振試験	G-factor: 0. 5G	時間: 10分		
		Davidy	方 向:上下	legateti.		
能	落下(落下高さ)			包装総質量 ⇒ 落下高さ	包装総質量 ⇒ 落下高	
試				10~20Kg ⇒ 35cm	10~20Kg ⇒ 60cm	
験			f向: ③-5 ⇒ 2-3 ⇒ 2 ⇒ 6 ⇒ 2 ⇒ 4 = (3稜6面) 回数:各1回、計9回		落下部位の記号 2-5 0 0 2-5 0 0 0 2-3 0 2-3 0 2-3	
	判	定	*判定 合格(詳 *この試験法は、設計を	細は別紙参照) 票準()による。	

TOSHIBA

Our Semiconductor and Storage products will always be a driving force to change the world

Toshiba Electronic Devices and Storage, together with our customers, will accelerate our future journey.

We aim to be a company that will be chosen for our pioneering technology and spirit embedded in our products.

「Do the right thing/誠実であり続ける」