

# 1. Package Information

Package Name	TO252-5
Туре	ТО
Pin Count	5
Outline Dimension Drowing No.	EX536-5001-1
Package Weight [g]	0.3
Lead Finish	Pure Tin
MSL Level	Level1

# 2. Package Structure



# 3. Packing Specification

3.1 Packing form, Quantity, PIN1 Orientation

Tape&Ree
ocs] 2,000
E2



Fig.1 Quadrant Assignments for PIN 1 Orientation in Tape

#### 3.2 Use material

ltem	Material
Embossed carrier tape	PS
Cover tape	PET+PE
Reel	PS
Desiccant	Silicagel
Envelope	Aluminum-laminated
Air cap	PE
Unit box	Cardboard
Shipping box	Cardboard

#### 3.3 Leader specification

No component pockets are 320 mm or more.

## 3.4 Trailer specification

No component pockets are 80 mm or more. Tape is free from reel.

#### 3.5 Peelback strength



#### 3.6 Missing lcs

(1) No consecutive dropouts.

(2) A maximun 0.1 % of specified number of products in each packing may be missing.

# 3.7 Tape and Reel Specification

# 3.7.1 Tape Dimension



# 3.7.2 Reel Dimension



_		(unit:mm)
	Reel Dimension	Reel Tolerance
А	330	±2.0
В	80	±1.0
С	13.0	±0.2
D	21.0	±0.8
Е	2.0	±0.5
W1	17.5	±1.0
W2	21.5	±1.0

## 3.8 Packing Method

1 reel(s) or less per unit box



## 3.9 Packing Style

5 unit boxes or less per shipping box



	(unit:mm)
Shipp	ing Box Dimension
Х	372
Υ	368
Z	305

3.10 Label Specification



# 4. Footprint dimensions



(unit:mm)

In actual design, please optimize in accordance with the situation of your board design and soldering condition.

# 5. Marking Specification



## 6. Storage conditions

#### 6.1 Storage environment

	Min.	Max.	Unit
Temperature	5	30	°C
Humidity	40	70	% RH

## 6.2 Storage period

	Min.	Max.	Unit
Storage period	-	1	year

6.3 Specified storage period until soldering

We don't decide a storage period until soldering.

But we recommend if packing is opened, the package are kept with desiccant.

# 7. Soldering conditions

7.1 Recommended temperature profile for reflow



## 7.2 Recommended condition for wave soldering

Preheating temperature	:	120 °C to 150 °C
Preheating time	:	60 sec MAX
Soldering temperature	:	260 °C ± 3 °C
Soldering time	:	12 sec MAX

Notes for wave soldering

- (1)Soldering time is provided for total soldering time in case of dual wave soldering.
- (2) Do not use other soldering methods with wave soldering.
- (3) Recommend to clean the board to eliminate flux, solder waste,
- and other impurities for reliability, after soldering.
- (4) Optimize soldering condition to prevent solder bridging.

#### 7.3 Recommended condition for solder iron

Solder iron temperature	:	380	°C or less
Mounting time	:	4	sec or less

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