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April 1st, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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Information

TAPING SPECIFICATIONS AND PACKING OUTLINE DRAWING OF 8-PIN PLASTIC SSOP (4.45 mm (175)) FOR MICROWAVE SEMICONDUCTORS

[MEMO]

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 - "Standard", "Special" and "Specific". The "Specific" quality grade applies only to semiconductor products developed based on a customer-designated "quality assurance program" for a specific application. The recommended applications of a semiconductor product depend on its quality grade, as indicated below. Customers must check the quality grade of each semiconductor product before using it in a particular application.
 - "Standard": Computers, office equipment, communications equipment, test and measurement equipment, audio and visual equipment, home electronic appliances, machine tools, personal electronic equipment and industrial robots
 - "Special": Transportation equipment (automobiles, trains, ships, etc.), traffic control systems, anti-disaster systems, anti-crime systems, safety equipment and medical equipment (not specifically designed for life support)
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M8E 00.4

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	INDICATION OF PART NUMBER

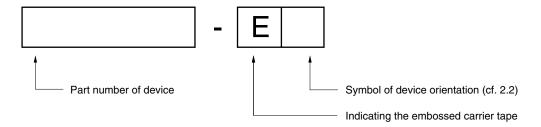
★ 1. DESCRIPTION

This information sheet is intended to cover standards on tape and reel of the 8-pin plastic SSOP (4.45 mm (175)) for high frequency semiconductors on NEC Corporation.

2. INDICATION OF PART NUMBER

The part number of tape and reel packing device is following.

2.1 Indication of part number



2.2 Device orientation in the carrier tape

"-E1" Orientation

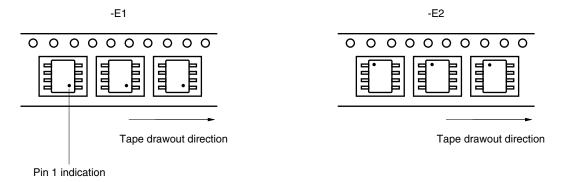
Pin 1 of the device faces toward the open end of the tape, away from the reel

"-E2" Orientation

Pin 1 of the device faces away from the open end of the tape, toward the reel

Remark Depending the part number, we can not provide both "-E1" and "-E2" type device.

Please check the availability of each part number of the device



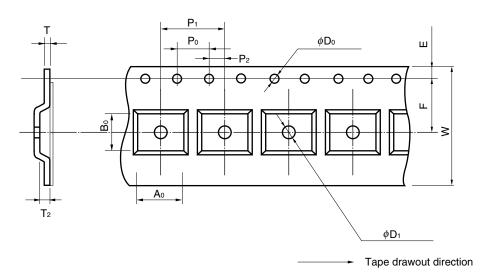
★ 2.3 An example of indication

 μ PC3217GV-E1: The tape and reel packing μ PC3217GV, in which pin 1 of the device faces toward open end of the tape.

★ 3. TAPE AND REEL SPECIFICATIONS

3.1 Tape dimensions

This carrier tape is applied treatment of electro static prevention.



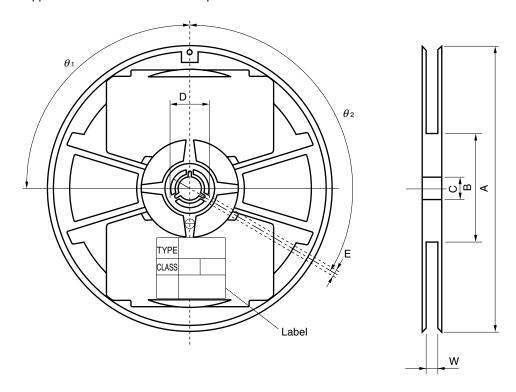
(Unit: mm)

Symbol	A 0	B ₀	φDo	φD1	Е	F	Po	P ₁	P ₂	Т	T ₂	W
Specification	5.45 ±0.1	3.25 ±0.1	φ1.5 +0.1 –0	φ1.0 MIN.	1.75 ±0.1	3.5 ±0.05	4.0 ±0.1	8.0 ±0.1	2.0 ±0.05	0.3 ±0.05	1.9 ±0.1	8.0 ±0.3

The dimensions of the A_0 and B_0 are indicated inside of the bottom of the pocket.

3.2 Reel dimensions

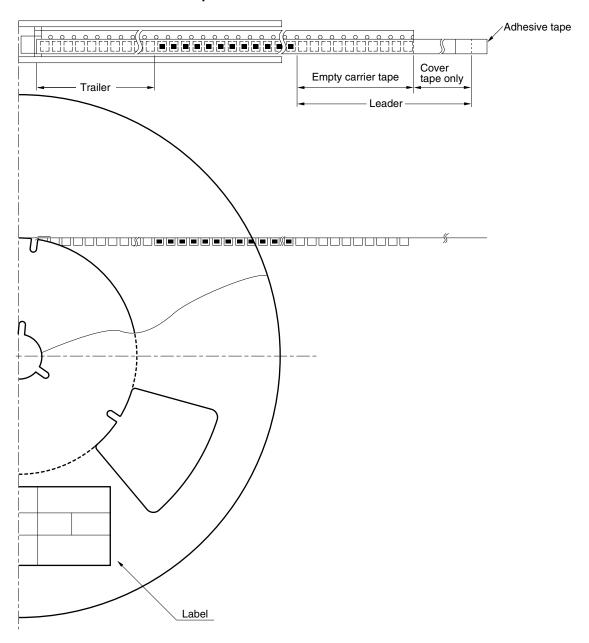
This reel is applied treatment of electro static prevention.



(Unless otherwise specified, Unit: mm)

	Item	Symbol	Size	Remarks
Flange	Diameter	Α	φ180 ⁺⁰ _{-1.5}	
	Space Between Flanges	W	9 ^{+1.0}	
	Outer Diameter	В	φ60 ^{+1.0}	
Hub	Slit Location	θ 1	90°	
Tiub	Spindle Hole Diameter	С	ϕ 13 ± 0.2	
	Key Slit Location	θ_2	120°	
	Slit Diameter	D	φ21 ± 0.8	
	Slit Width	E	2 ± 0.5	
Marking		Labels sha attached t of flanges	o one side	Part number, quantity and lot number are marked or labeled.

3.3 Leader and trailer of carrier tape

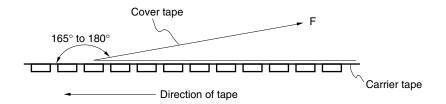


(Unit: mm)

	Item	Specification	Remarks
Leader	Cover tape	-	Tip taped to roll, and fixed by adhesive tape
	Empty carrier tape	100 MIN.	The winding direction is shown above
		400 MIN.	Length of cover tape + empty carrier tape
Trailer	Empty carrier tape	160 MIN.	

3.4 Sealing strength between tapes

Item	Data	Remarks
Cover tape adhesion	0.1 to 1.0 N	Peeling angle: 165° to 180°, Peeling speed: 300 ± 10 mm/min.



4. PACKING

★ 4.1 Quantity of packing

1 000 pieces/reel

4.2 Indication of part number and quantity to the reel

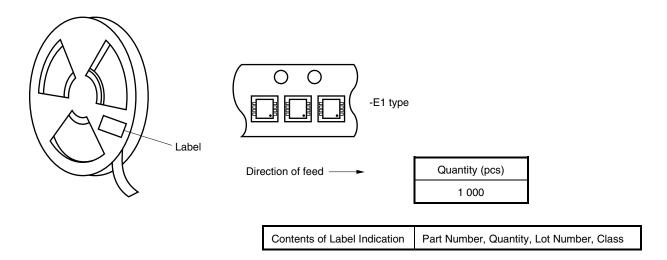
Part number, quantity, class and lot number are indicated at the side of the reel.

4.3 Indication of part number and quantity to the packing case

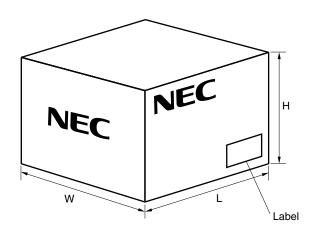
Part number, quantity, class and lot number are indicated at the side of packing case.

5 PACKING OUTLINE DRAWING

5.1 Tape and reel



5.2 Packing box specifications



Dimension (mm) $(W\times H\times L)$	Quantity (reel)
185 × 75 × 185	1 to 5
185 × 135 × 185	6 to 10

Contents of Label Indication Part Number, Quantity, Lot Number, Class

Dimensions and maximum quantity of a packing box are for shipment. In some using case, the packing box might replace another box.



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