

Package : VCSP85H3

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1. Structure and materials

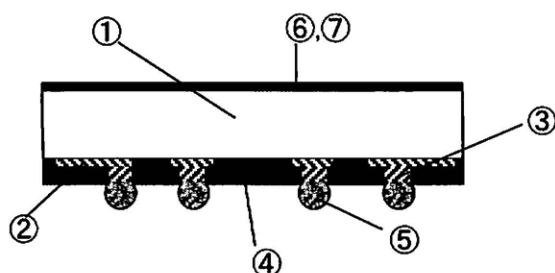


Fig. 1 Structure

No.	Item	Materials
①	Die	Silicon
②	Cu Layer	Cu
③	Cu Post	Cu
④	Encapsulation	Epoxy Resin
⑤	Ext. terminal	Sn-3Ag-0.5Cu Solder
⑥	Encapsulation	Polyamide-imide Resin
⑦	Marking	Laser Marking

Dehydrated weight : 0.03g

2. Tape and Reel information

2. 1. Packing specification

Tape	Embossed carrier tape
Quantity	2,500pcs/Reel
Direction of feed	E2 (See Fig. 2)

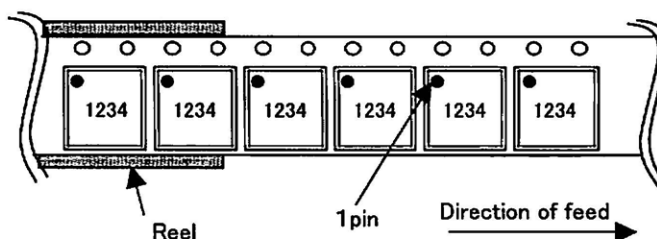


Fig. 2 Typical Tape and Reel configuration

2. 2. Tape and Reel specification

2. 2. 1. Tape and reel dimensions (See the table on page 2/4)

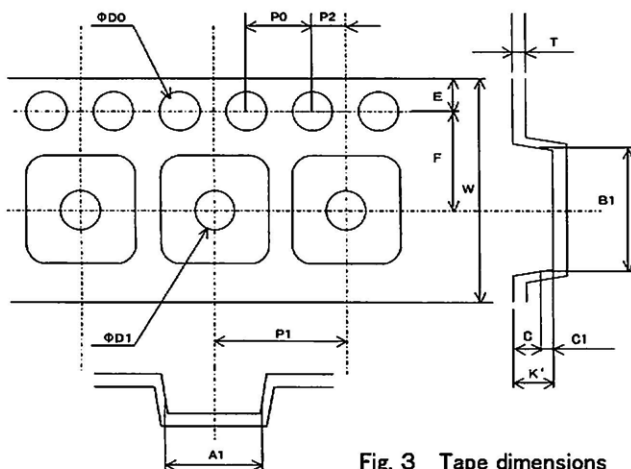


Fig. 3 Tape dimensions

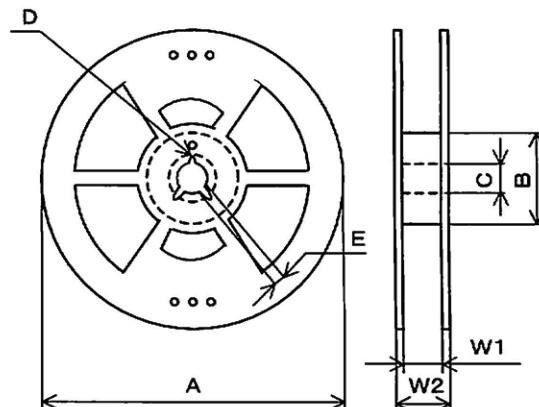


Fig. 4 Reel dimensions

(Tape dimensions)

A1	B1	C	C1	D0	D1	E	F	K'	P0	P1	P2	T	W
4.53 ±0.1	4.53 ±0.1	(0.85)	(0.30)	Φ1.5 +0.1 -0	Φ1.5 +0.1 -0	1.75 ±0.1	5.5 ±0.1	1.15 ±0.1	4.0 ±0.1	8.0 ±0.1	2.0 ±0.1	0.3 ±0.05	12.0 ±0.3

(Reel dimensions)

A	B	C	D	E	W1	W2
Φ330	50 MIN	13.0 ±0.2	20.2 MIN	1.5 MIN	13.4 ±1.0	17.4 ±1.0

2. 3. Leader and Trailer

2. 3. 1. Leader

No component pockets are 25 pockets or more.

2. 3. 2. Trailer

No component pockets are 10 pockets or more.

Tape is free from reel.

2. 4. Label for Reel and Box

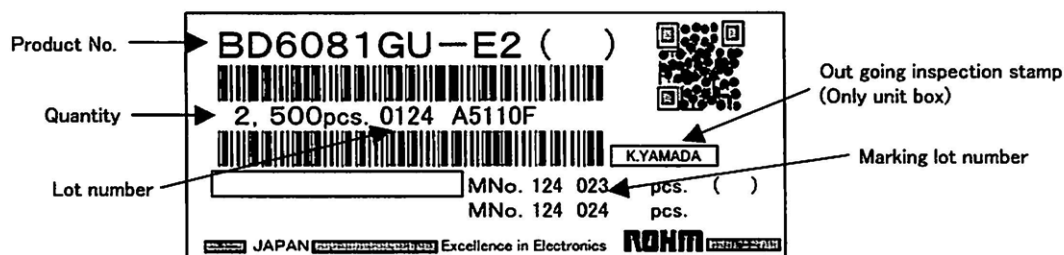


Fig. 5 Label example

2. 5. Packing style

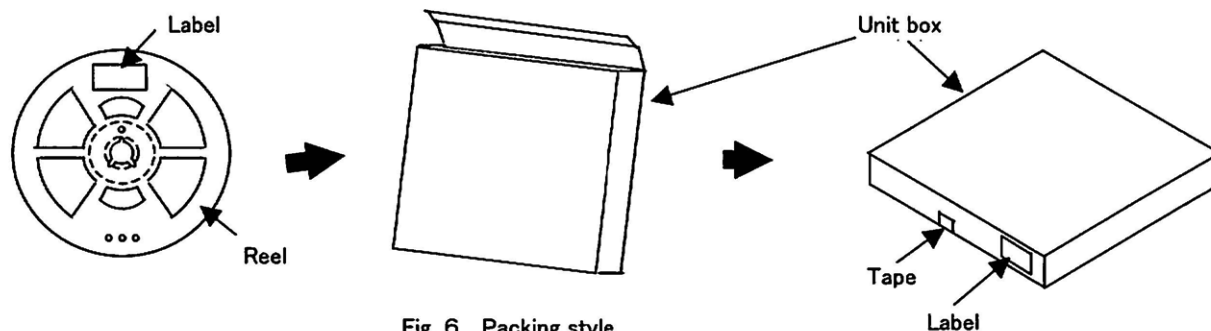


Fig. 6 Packing style

2. 6. Shipping style

5 unit boxes or less per shipping box

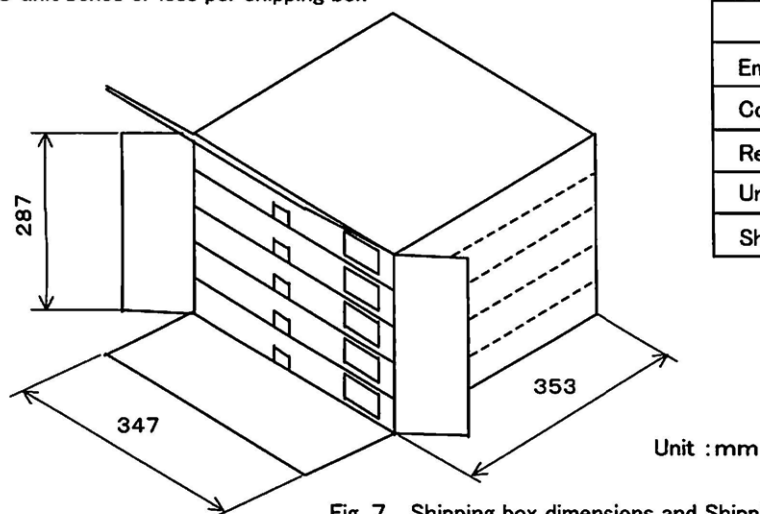


Fig. 7 Shipping box dimensions and Shipping style

2. 7. Packing materials

Item	Material
Embossed carrier tape	PS
Cover tape	PET + PE
Reel	PS
Unit box	Cardboard
Shipping box	Cardboard

2. 8. Others

2. 8. 1. Peelback strength

Cover tape peelback strength is 0.2~0.7N.

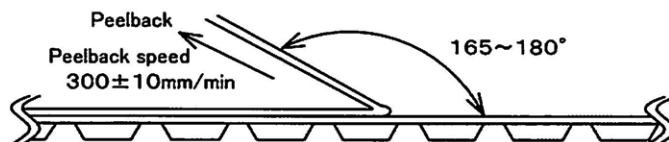


Fig. 8 Test method

2. 8. 2. Dropouts

(1) No consecutive dropouts.

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

3. Storage conditions

3. 1. Storage environment

Recommended storage conditions are as follows :

- Temperature : 5~30°C
- Humidity : 40~70% RH

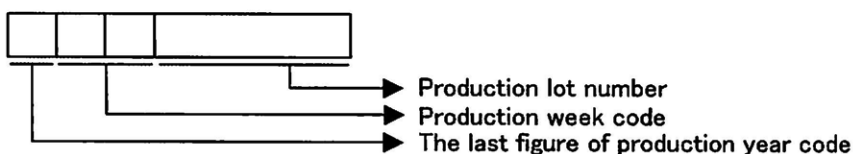
3. 2. Storage period

— Specified storage period : 1 year

3. 3. Specified storage period until soldering

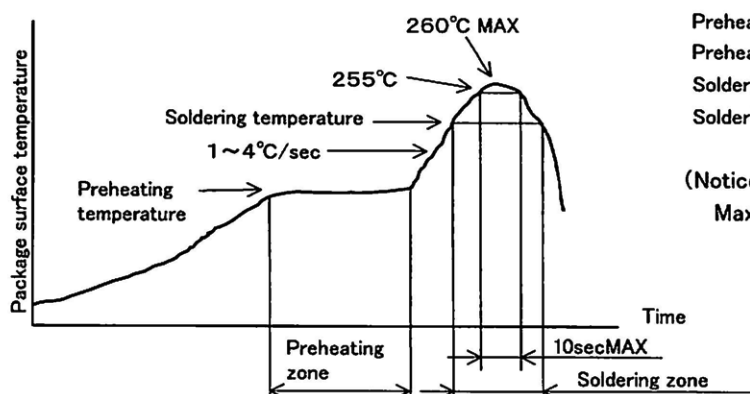
This package does not require additional drying treatment as long as the moisture condition at the mounting process is within our recommended mounting condition.

4. Marking lot number



5. Soldering conditions

5. 1. Recommended temperature profile for reflow



- Preheating temperature : 130°C~190°C
- Preheating zone : 120sec MAX
- Soldering temperature : 220°C~230°C
- Soldering zone : 60sec MAX

(Notice)

Maximum 2-times soldering

5. 2. About mounting with Sn-Pb solder paste.

Mounting with Sn-Pb solder paste is not recommended because it has a possibility of reducing reliability to connect with Sn-3.0Ag-0.5Cu solder balls.

5. 3. The wave soldering method is not supported.

5. 4. Partial heat supply method (by soldering iron) is not supported.

Notes

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