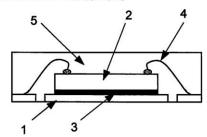


Package: UQFN×××V3030/4040/5050series

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| 6.Recommended soldering | | |

1.Structure and materials



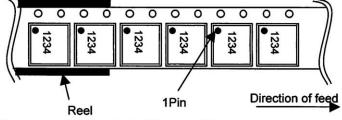
No. Item Materials **Cu-Alloy** 1 **Lead Frame** (External lead : Pb free solder plating) 2 Die Silicon 3 Die Attach Ag Paste 4 Wire Au 5 Molding **Epoxy Resin**

Fig. 1 Structure

2. Tape and Reel information

2.1.Packing specification

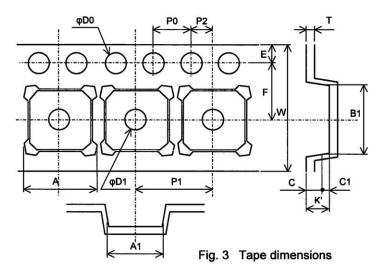
| Таре | Embossed carrier tape |
|-------------------|---------------------------|
| Quantity | See the table on page 4/4 |
| Direction of feed | E2(See Fig. 2) |



2.2. Tape and Reel specification

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

Fig. 2 Typical Tape and Reel configuration



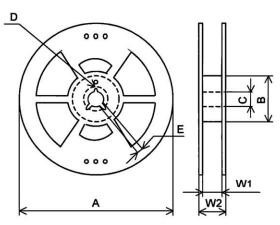


Fig. 4 Reel dimensions

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

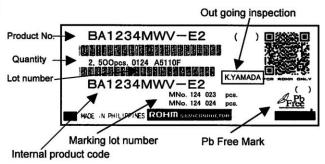
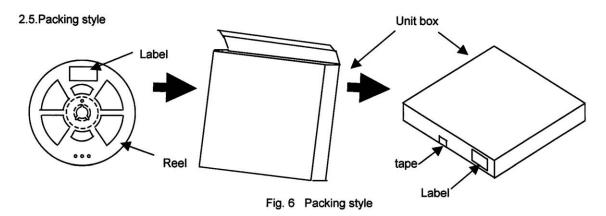


Fig. 5 Label example



2.6. Shipping style

5 unit boxes or less per shipping box

2.7.Packing materials

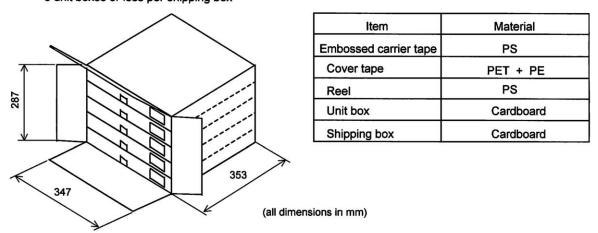


Fig. 7 Shipping box dimensions and Shipping style

2.8.Others

www.rohm.com

2.8.1.Peelback strength

Cover tape peelback strength is 0.2~0.7N.

Peelback speed 300±10mm/min

Peelback

165~180°

2.8.2.Dropouts

- (1)No consecutive dropouts.
- (2)A maximun 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

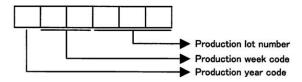
-Humidity

: 40~70% RH

3.2.Storage period

-Specified storage period : 1year

4. Marking lot number

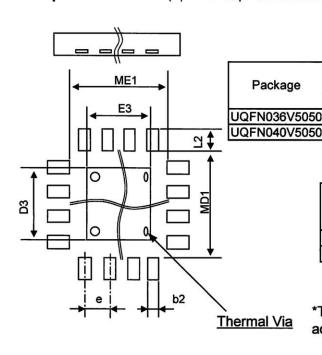


5.Footprint dimensions (Optimize footprint dimensions to the board design and soldering condition)

Land pitch

0.40

0.40



(all dimensions in mm)

width

b 2

0.22

0.22

Land

length

L2

1.00

0.80

| | Radiati | on land | Thermal Via | | | |
|--------------|---------|---------|-------------|----------|--|--|
| Package | length | width | | | | |
| | D3 | E3 | Pitch | Diameter | | |
| UQFN036V5050 | 2.60 | 2.60 | 1.20 | φ0.300 | | |
| UQFN040V5050 | 3.20 | 3.20 | 1.20 | φ0.300 | | |

space

MD1 ME1

3.60

4.00

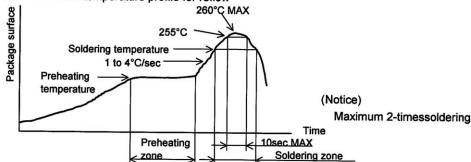
3.60

4.00

*The lead toe and lead side fillet may not be achieved because of non-lead packeges.

6. Soldering conditions

6.1.Recommended temperature profile for reflow

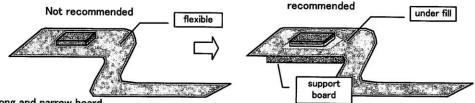


6.2. The wave soldering method is not supported.

6.3 Notice information of board mounting

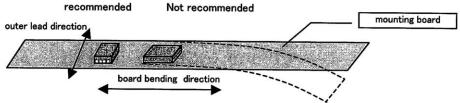
Mounting on flexible film

Mounting on flexible film, film bend may occur lack of lead from package, usage of support board and under fill is recommended.

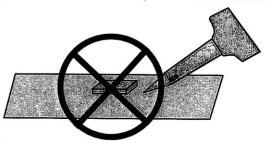


Mounting on long and narrow board

Mounting on long and narrow board, bending stress may occur a luck of lead from package, bending board direction and outer lead direction is recommended as drawing (vertically layout) and under fill usage is recommended.



6.4 Rework by solering iron is not allowed or it may cause mold crack and terminal open.



| Package | Quantity | Tape dimensions (all dimensions in mm) | | | | | | | | | | | | | |
|--------------|----------|--|-------|--------|--------|---------|------|------|-------|------|------|------|-------|-------|------|
| . dokago | (pcs) | A1 | B1 | C | C1 | D0 | D1 | Е | F | K' | P0 | P1 | P2 | Т | W |
| UQFN036V5050 | 2500 | 5.2 | 5.2 | (1.15) | (0.65) | φ1.5 | φ1.5 | 1.75 | 5.5 | 1.80 | 4.0 | 8.0 | 2.0 | 0.3 | 12.0 |
| UQFN040V5050 | 2500 | 5.2 | 5.2 | (1.15) | (0.65) | φ1.5 | φ1.5 | 1.75 | 5.5 | 1.80 | 4.0 | 8.0 | 2.0 | 0.3 | 12.0 |
| Tolera | nce | ±0.05 | ±0.05 | - | - | +0.1/-0 | ±0.1 | ±0.1 | ±0.05 | ±0.1 | ±0.1 | ±0.1 | ±0.05 | ±0.05 | ±0.2 |

<Reel dimensions >

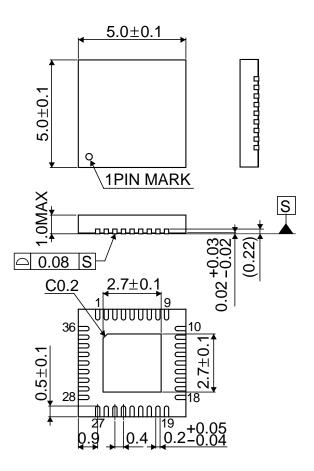
<Dehydrated weight >

| Package Reel dimensions (all dimensions in mm) | | | | | | | | Dehydrated weigh | | |
|--|------|--------|-------|-------|-----|--------|------|------------------|--|--|
| | Α | В | С | D | E | W1 | | (g) | | |
| UQFN036V5050 | φ330 | φ60 | φ13.0 | φ20.2 | 1.5 | 13.0 | 17.4 | 0.063 | | |
| UQFN040V5050 | φ330 | φ60 | φ13.0 | φ20.2 | 1.5 | 13.0 | 17.4 | 0.064 | | |
| Tolerance | - | +1.0/0 | ±0.2 | MIN | MIN | +1.0/0 | ±1.0 | | | |



Package Dimensions

UQFN036V5050

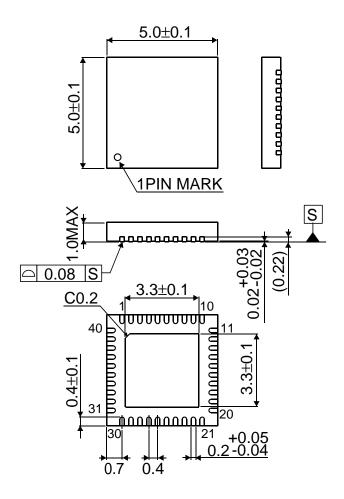


(Unit: mm)



Package Dimensions

UQFN040V5050



(Unit: mm)

Notes

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