



## Features

- Miniature size (2.1×3.2×1.5 mm)
- Wide frequency range
- High precision type is available for full speed USB.

## Applications

- CD-ROM
- HDD
- DVD-ROM
- MD
- Printer
- Cellular (CDMA/PCS)
- Portable Electronic Equipment
- USB

## How to Order

| SSR | 33.86 | B | R |
|-----|-------|---|---|
| ①   | ②     | ③ | ④ |

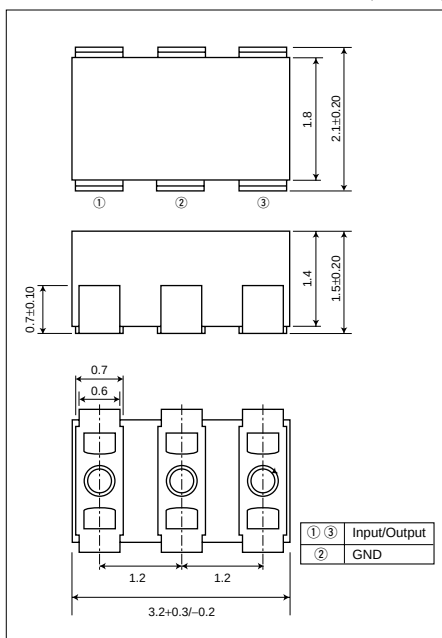
- ① Series
- ② Oscillating frequency(MHz)
- ③ Type B: 3rd-overtone mode built-in Capacitor  
F: Fundamental mode built-in Capacitor
- ④ Packaging : Tape & Reel  
2000pcs/Reel

## Notice

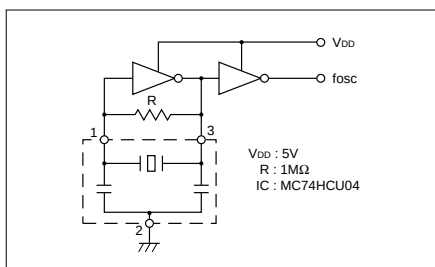
- Non washable

## Dimensions

(Unit : mm)



## Test Circuit



## Specifications

- Standard Type

|   | Frequency Range                | Frequency Tolerance (25°C) | Temperature Stability (-20 to 80°C) | IC                   | Main Frequency (MHz)           |
|---|--------------------------------|----------------------------|-------------------------------------|----------------------|--------------------------------|
| B | 16.0 to 60.0MHz (3rd-overtone) | ±0.5%                      | ±0.3%                               | MC74HCU04 (MOTOROLA) | 16.93, 20.0, 27.0, 33.86, 50.8 |
| F | 16.0 to 20.0MHz (Fundamental)  |                            |                                     |                      | 16.93                          |

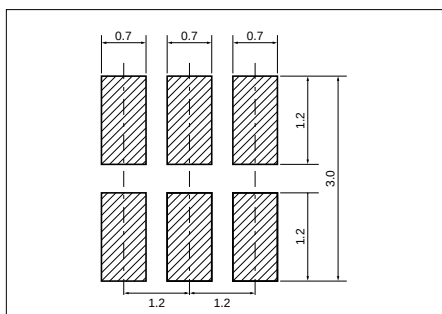
Please contact your local AVX office for IC matching.

- High Precision Type

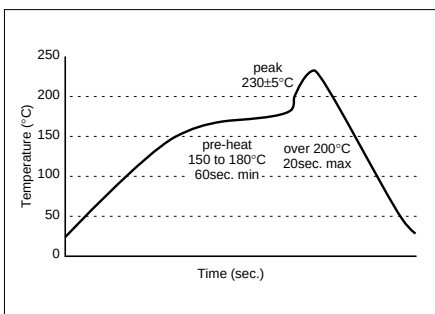
|   | Frequency Range                | Frequency Tolerance (25°C) | Temperature Stability (-20 to 70°C) | Aging (10 years) | IC                   | Main Frequency (MHz) |
|---|--------------------------------|----------------------------|-------------------------------------|------------------|----------------------|----------------------|
| B | 16.0 to 60.0MHz (3rd-overtone) | ±0.18% (Option ±0.08%)     | ±0.06%                              | ±0.01%           | MC74HCU04 (MOTOROLA) | 48.0                 |

## Recommended Land Pattern

(Unit : mm)

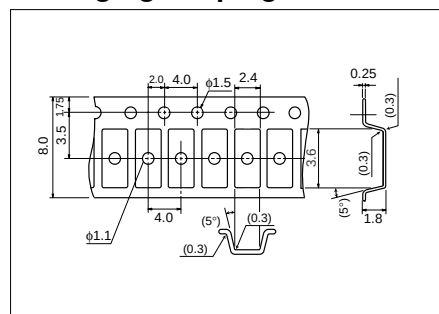


## Recommended Reflow Profile



## Packaging : Taping

(Unit : mm)





## Features

- Miniature size (2.5×2.0×1.0 mm)
- Wide frequency range
- High precision type is available for full speed USB.

## Applications

- CD-R/W
- HDD
- DVD-ROM
- MD
- Printer
- Cellular (CDMA/PCS)
- Portable Electronic Equipment
- Memory Card
- USB

## How to Order

SSR 33.86 D R  
① ② ③ ④

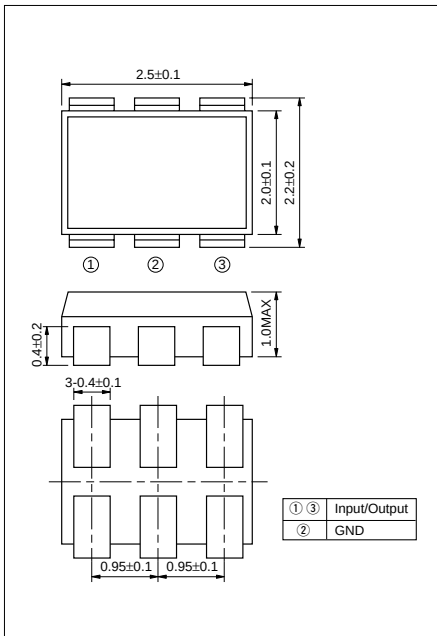
- ① Series
- ② Oscillating frequency(MHz)
- ③ Type
- ④ Packaging : Tape & Reel  
2000pcs/Reel

## Notice

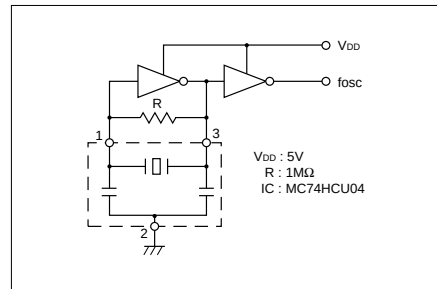
- Non washable

## Dimensions

(Unit : mm)



## Test Circuit



## Specifications

- Standard Type

| Frequency Range  | Frequency Tolerance (25°C) | Temperature Stability (-20 to 80°C) | IC                   | Standard Frequency (MHz) |
|------------------|----------------------------|-------------------------------------|----------------------|--------------------------|
| 20.00 to 60.0MHz | ±0.5%                      | ±0.3%                               | MC74HCU04 (MOTOROLA) | 20.00, 33.86, 48.0       |

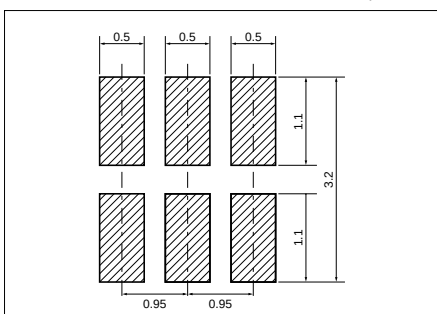
Please contact your local AVX office for IC matching.

- High Precision Type

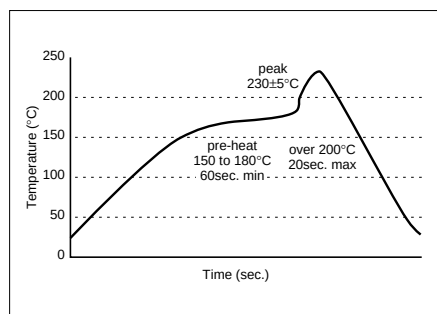
| Frequency Range  | Frequency Tolerance (25°C) | Temperature Stability (-20 to 70°C) | Aging (10 years) | IC                   | Standard Frequency (MHz) |
|------------------|----------------------------|-------------------------------------|------------------|----------------------|--------------------------|
| 30.00 to 60.0MHz | ±0.18% (Option ±0.08%)     | ±0.06%                              | ±0.01%           | MC74HCU04 (MOTOROLA) | 48.0                     |

## Recommended Land Pattern

(Unit : mm)



## Recommended Reflow Profile



## Packaging : Taping

(Unit : mm)

