

### ■Taping Specification for Automatic Mounting

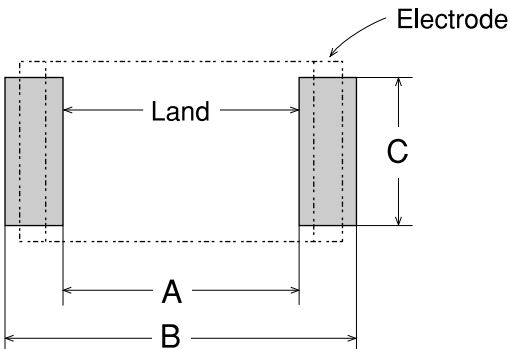
Refer to the page of taping specifications.

### ■Rating, Dimensions & Quantity/Reel

●Capacitance tolerance :  $\pm 5\%$  (J)

| Cap.<br>( $\mu$ F) | Rated volt. 250 VDC |                 |     |     |              | Q'ty |
|--------------------|---------------------|-----------------|-----|-----|--------------|------|
|                    | Part No             | Dimensions (mm) |     |     | Size<br>code |      |
|                    |                     | L               | W   | H   |              |      |
| 0.0010             | ECWU2102V16         | 4.8             | 3.3 | 1.4 | E1           | 3000 |
| 0.0012             | ECWU2122V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0015             | ECWU2152V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0018             | ECWU2182V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0022             | ECWU2222V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0027             | ECWU2272V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0033             | ECWU2332V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0039             | ECWU2392V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0047             | ECWU2472V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0056             | ECWU2562V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0068             | ECWU2682V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.0082             | ECWU2822V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.010              | ECWU2103V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.012              | ECWU2123V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.015              | ECWU2153V16         | 4.8             | 3.3 | 1.4 | E1           |      |
| 0.018              | ECWU2183V16         | 4.8             | 3.3 | 2.0 | E2           | 2000 |
| 0.022              | ECWU2223V16         | 4.8             | 3.3 | 2.0 | E2           |      |
| 0.027              | ECWU2273V16         | 4.8             | 3.3 | 2.4 | E3a          |      |
| 0.033              | ECWU2333V16         | 4.8             | 3.3 | 2.8 | E3           | 3000 |
| 0.039              | ECWU2393V16         | 6.0             | 4.1 | 2.0 | D2           |      |
| 0.047              | ECWU2473V16         | 6.0             | 4.1 | 2.4 | D3           | 2000 |
| 0.056              | ECWU2563V16         | 6.0             | 4.1 | 2.8 | D4           |      |
| 0.068              | ECWU2683V16         | 6.0             | 4.1 | 3.2 | D5           |      |
| 0.082              | ECWU2823V16         | 6.0             | 5.0 | 3.2 | B            | 1500 |
| 0.10               | ECWU2104V16         | 6.0             | 5.0 | 3.8 | B            |      |
| 0.12               | ECWU2124V16         | 6.0             | 5.0 | 4.5 | B            |      |

### ■Recommended for Land Dimensions (mm)



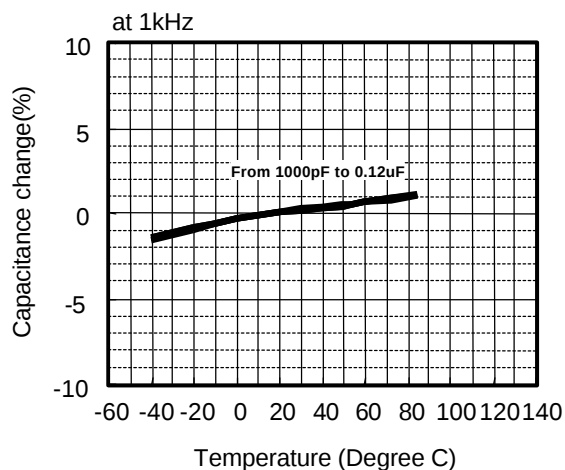
| Size code       | Land dimensions for reflow soldering |     |     |
|-----------------|--------------------------------------|-----|-----|
|                 | A                                    | B   | C   |
| E1, E2, E3a, E3 | 2.6                                  | 6.6 | 3.0 |
| D2, D3, D4, D5  | 3.8                                  | 7.8 | 3.8 |
| B               | 3.8                                  | 7.8 | 4.6 |

\* It is not warrantable that you can mount the capacitor without trouble under all the mounting condition when "Recommender for Land dimensions" is adopted.

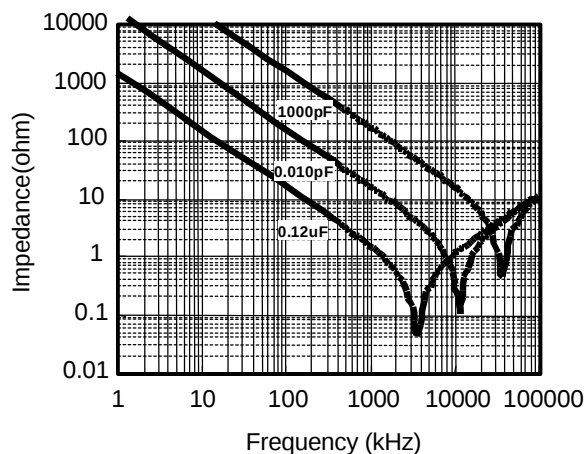
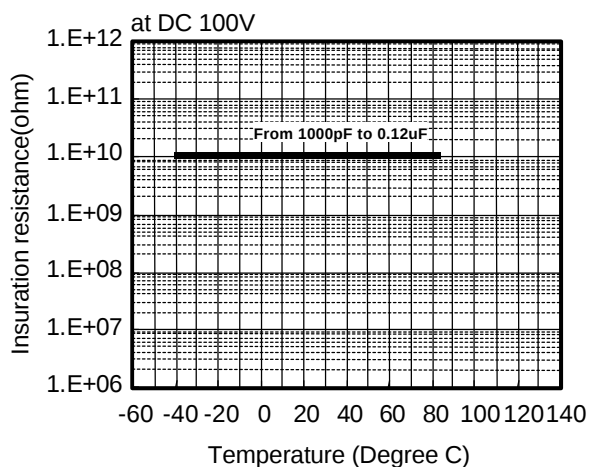
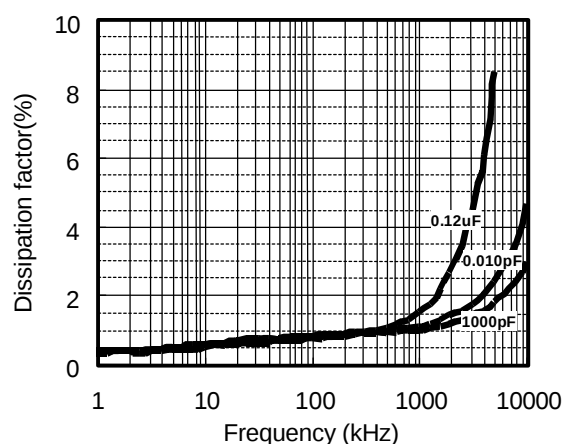
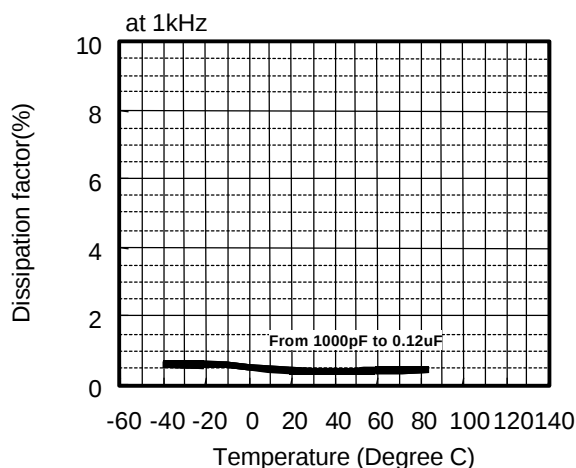
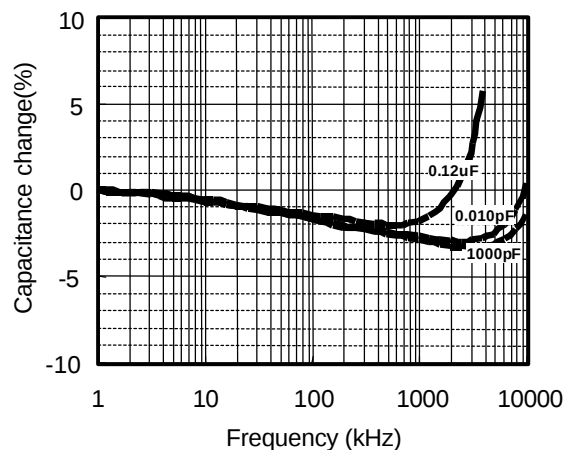
# ECWU (V16) Type(for xDSL) DC250V series (Stacked Metallized Film)

## Electrical Characteristics < Typical Data >

**Temperature Characteristics**

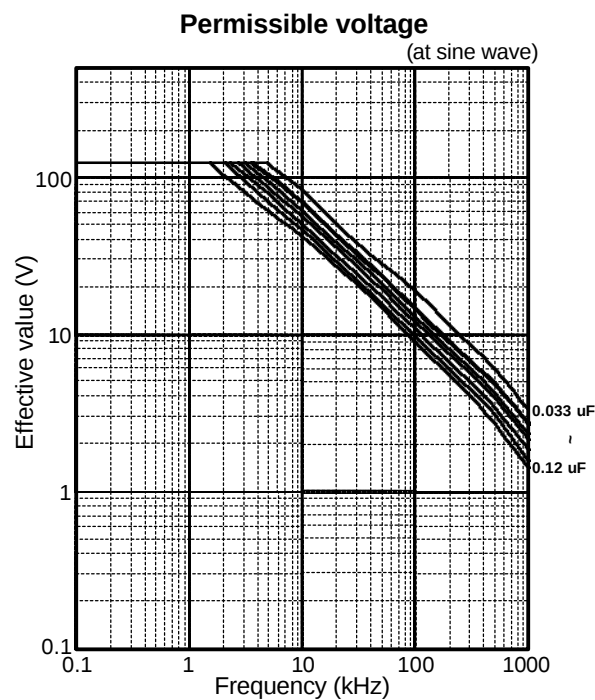
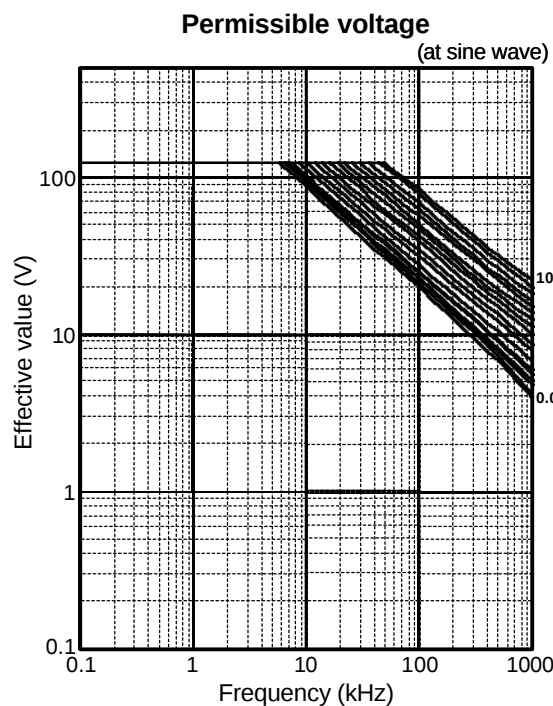
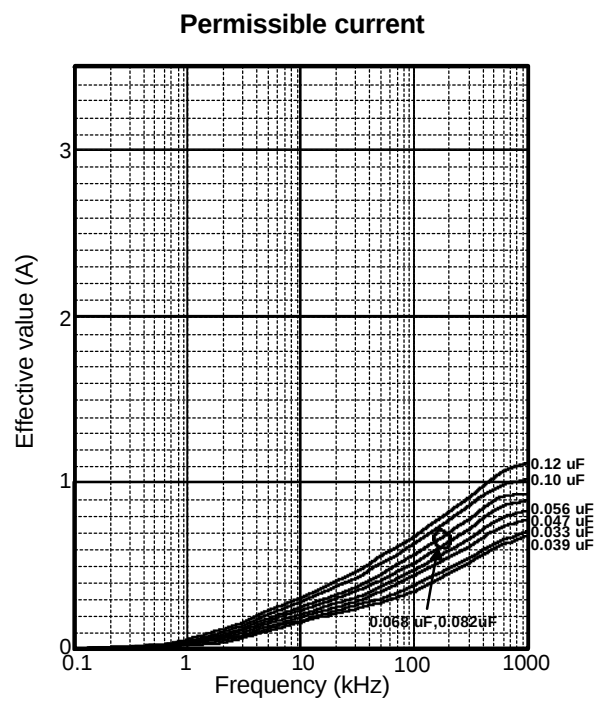
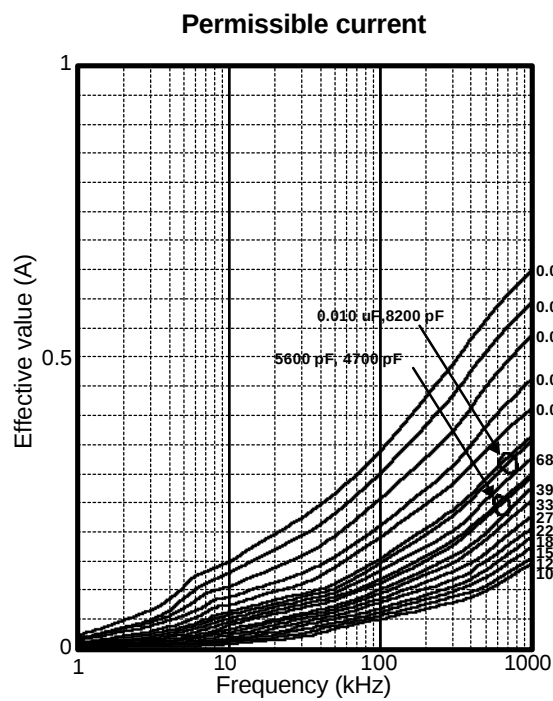


**Frequency Characteristics**



## ECWU (V16) Type DC250V series (Stacked Metallized Film)

### Applicable Specifications



\* Please consult Panasonic if your condition exceeds the above spec.

\*Permissible voltage graph is the case of sine waveform. When you use this product, peak voltage must not exceed DC rated voltage.

\*The current<sub>(0-P)</sub> value is calculated using nominal capacitance.



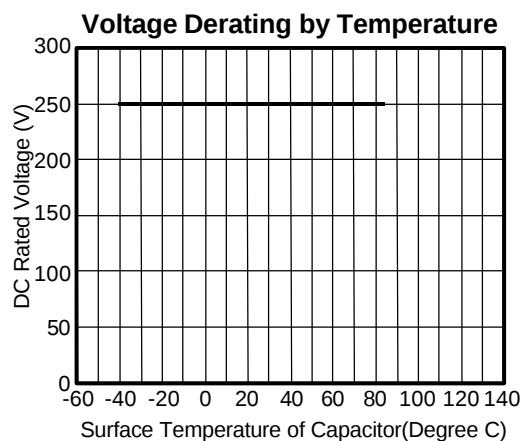
## ECWU (V16) Type DC250V series (Stacked Metallized Film)

### Applicable Specifications

#### Pulse Handling Capability (dv/dt) (Max 10000cycles)

| Rating Voltage | Capacitance Value(uF) | Code | dv/dt(V/us) | Current(I <sub>0-P</sub> ) (A) |
|----------------|-----------------------|------|-------------|--------------------------------|
| DC 250V        | 0.0010                | 102  | 615         | 0.62                           |
|                | 0.0012                | 122  |             | 0.74                           |
|                | 0.0015                | 152  |             | 0.92                           |
|                | 0.0018                | 182  |             | 1.11                           |
|                | 0.0022                | 222  |             | 1.35                           |
|                | 0.0027                | 272  |             | 1.66                           |
|                | 0.0033                | 332  |             | 2.03                           |
|                | 0.0039                | 392  |             | 2.40                           |
|                | 0.0047                | 472  | 360         | 1.69                           |
|                | 0.0056                | 562  |             | 2.02                           |
|                | 0.0068                | 682  |             | 2.45                           |
|                | 0.0082                | 822  |             | 2.95                           |
|                | 0.010                 | 103  |             | 3.60                           |
|                | 0.012                 | 123  |             | 4.32                           |
|                | 0.015                 | 153  |             | 5.40                           |
|                | 0.018                 | 183  |             | 6.48                           |
|                | 0.022                 | 223  |             | 7.92                           |
|                | 0.027                 | 273  |             | 9.72                           |
|                | 0.033                 | 333  |             | 11.88                          |

| Rating Voltage | Capacitance Value(uF) | Code | dv/dt(V/us) | Current(I <sub>0-P</sub> ) (A) |
|----------------|-----------------------|------|-------------|--------------------------------|
| DC 250V        | 0.039                 | 393  | 240         | 9.36                           |
|                | 0.047                 | 473  |             | 11.28                          |
|                | 0.056                 | 563  |             | 13.44                          |
|                | 0.068                 | 683  |             | 16.32                          |
|                | 0.082                 | 823  |             | 19.68                          |
|                | 0.10                  | 104  |             | 24.00                          |
|                | 0.12                  | 124  |             | 28.80                          |
|                |                       |      |             |                                |



\* Please consult Panasonic if your condition exceeds the above spec.

\*Permissible voltage graph is the case of sine waveform. When you use this product, peak voltage must not exceed DC rated voltage.

\*The current(I<sub>0-P</sub>) value is calculated using nominal capacitance.