

# ECASD31E226M040KA0

In Production

RoHS

REACH

105 °C max.

Effective Cap

Low acoustic noise

Deflecting crack

Reflow OK

## Applications

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                          |
| Specific Applications    | Mobile Electronics, Consumer equipment, Industrial Equipment, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive infotainment/comfort equipment<br>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | Notebook PC, PC [Personal Computer], Server, Storage, Base Station, Television, TV Game / Video Game, Processor [ASIC / FPGA / xPU], Copier, POS [Point Of Sales], IoT Equipment, Robotic control, PoE [Power over Ethernet]                                                                                                                                                                                                                 |

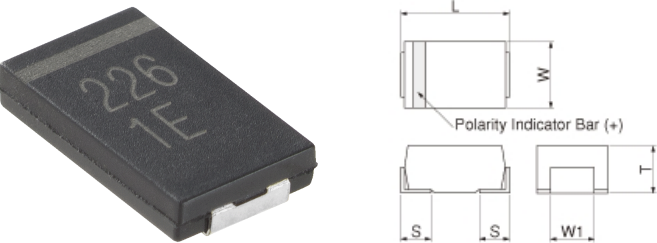
## References

| Packaging | Specifications    | Standard Packing Quantity |
|-----------|-------------------|---------------------------|
| K         | 330 Embossed Tape | 3000                      |

| Mass (typ.) |       |
|-------------|-------|
| 1 piece     | 0.13g |

## Appearance & Shape



**Attention**  
1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
2. This datasheet has only typical specifications because there is no space for detailed specifications.  
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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## Specifications

|                               |                |
|-------------------------------|----------------|
| Length                        | 7.3±0.3mm      |
| Width                         | 4.3±0.2mm      |
| Thickness                     | 1.4±0.1mm      |
| Allowable Ripple Current      | 3.2Arms        |
| Capacitance                   | 22μF ±20%      |
| ESR                           | 40mΩ           |
| Leakage Current               | 165.0μA        |
| Maximum operating temperature | 105°C          |
| Operating Temperature Range   | -40°C to 105°C |
| Rated Voltage                 | 25Vdc          |
| Size code in inch (mm)        | 2917(7343)     |
| S size                        | 1.3±0.2mm      |
| W1 size                       | 2.4±0.2mm      |

### Attention

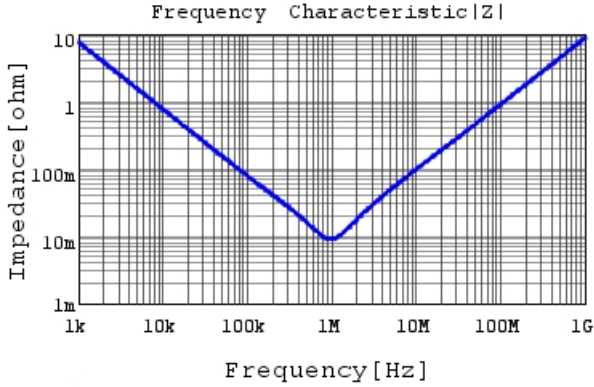
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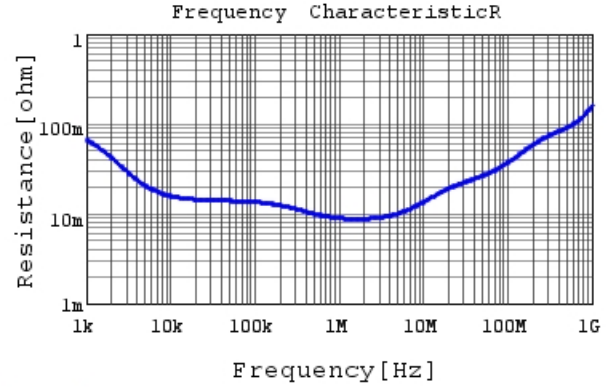


## Characteristic Data

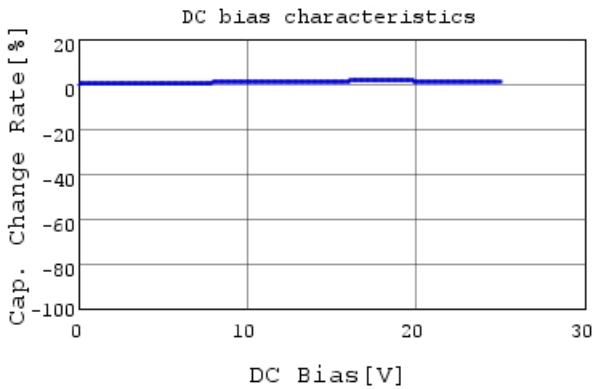
The charts below may show another part number which shares its characteristics.



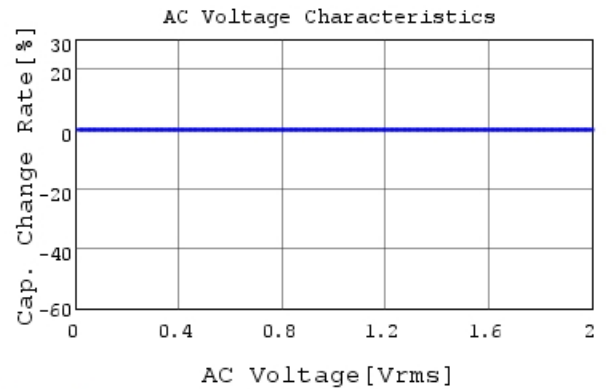
ECASD31E226M040KA0 |Z| DCOV, 25degC



ECASD31E226M040KA0 R DCOV, 25degC



ECASD31E226M040KA0 C-DC bias capchange, 25.0

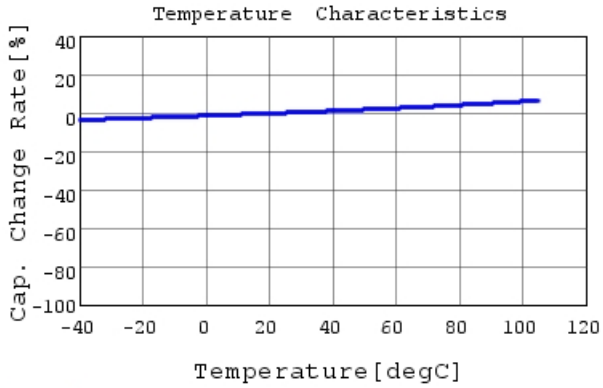


ECASD31E226M040KA0 C-AC Voltage capchange, 1

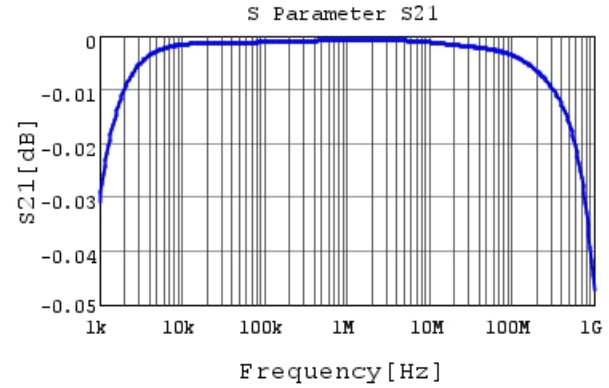
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# ECASD31E226M040KA0



ECASD31E226M040KA0 C-Temp. capchange, DCOV,



ECASD31E226M040KA0 S21 DCOV, 25degC

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