

# ECASD31E156M040KA0



## 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 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]

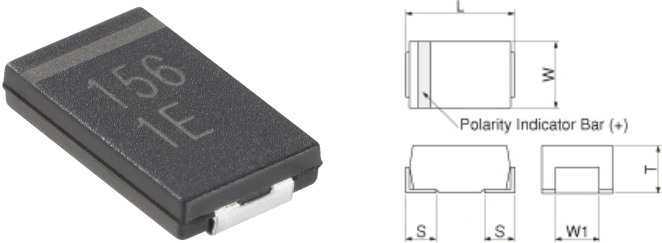
## References

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	15μF ±20%
ESR	40mΩ
Leakage Current	112.5μA
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

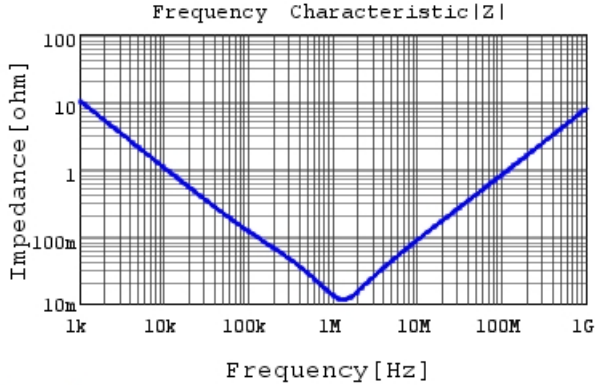
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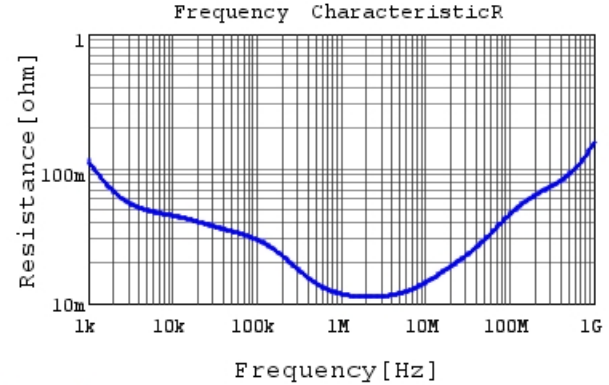


## Characteristic Data

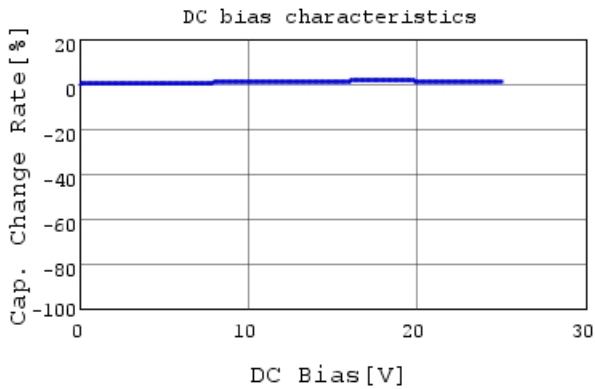
The charts below may show another part number which shares its characteristics.



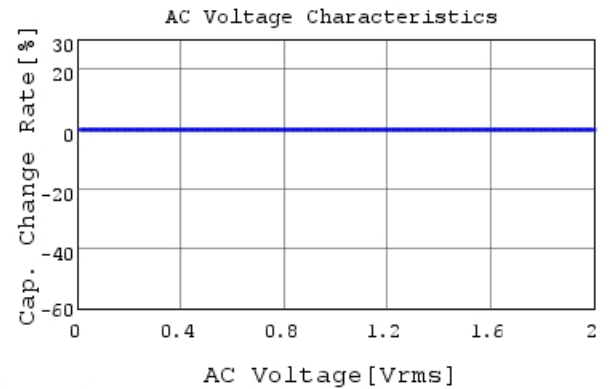
ECASD31E156M040KA0 |Z| DCOV, 25degC



ECASD31E156M040KA0 R DCOV, 25degC



ECASD31E156M040KA0 C-DC bias capchange, 25.0

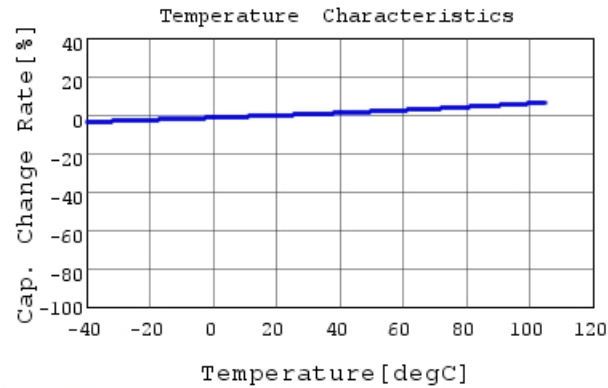


ECASD31E156M040KA0 C-AC Voltage capchange, 1

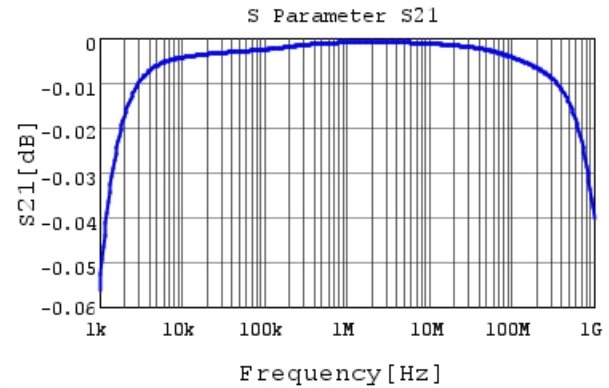
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# ECASD31E156M040KA0



ECASD31E156M040KA0 C-Temp. capchange, DCOV,



ECASD31E156M040KA0 S21 DCOV, 25degC

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