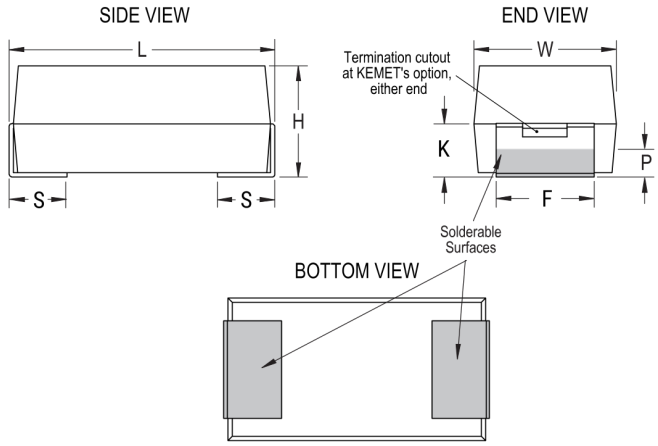
# CWR29DH337KAHA

Aliases (T429H337K006AH4250)

T429 CWR29, Tantalum, MnO2 Tantalum, Military/High Reliability, 330 uF, 10%, 6 VDC, SMD, MnO2, Molded, Military Equivalent, Low ESR, A (Non-ER), 180 mOhms, 7238, Height Max = 3.17mm




Click here for the 3D model.

## Dimensions

| | |
|---|---|
| Footprint | 7238 |
| L | 7.24mm +/-0.38mm |
| W | 3.81mm +/-0.38mm |
| H | 2.79mm +/-0.38mm |
| S | 1.27mm +0.25/-0.13mm |
| F | 3.68mm +0.13/-0.51mm |
| K | 1.52mm MIN |
| P | 0.76mm MIN |

## Packaging Specifications

| | |
|---|---|
| Packaging | T&R, 178mm |
| Packaging Quantity | 500 |

## General Information

| | |
|---|---|
| Series | T429 CWR29 |
| Dielectric | MnO2 Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO2, Molded, Military Equivalent, Low ESR |
| RoHS | No |
| Prop 65 | ⚠ **WARNING:** Cancer and reproductive harm - http://www.p65warnings.ca.gov. |
| SCIP Number | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa |
| Termination | Solder Coated |
| Qualifications | MIL-PRF-55365/11, CWR29 Style |
| AEC-Q200 | No |
| Component Weight | 349.01 mg |
| Notes | Note: When Option C Is Selected For Lead Material, Add An Additional 0.38mm To The Tolerances For "L", "W", "H", "K" ,"F" And "S". |
| MSL | 1 |

## Specifications

| | |
|---|---|
| Capacitance | 330 uF |
| Capacitance Tolerance | 10% |
| Voltage DC | 6 VDC (85C), 4 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 10% 120Hz 25C |
| Failure Rate | A (Non-ER) |
| Resistance | 0.18 Ohms (100kHz 25C) |
| Leakage Current | 20 uA (5min 25°C) |
| Testing and Reliability | Surge Testing At 25C After Weibull |

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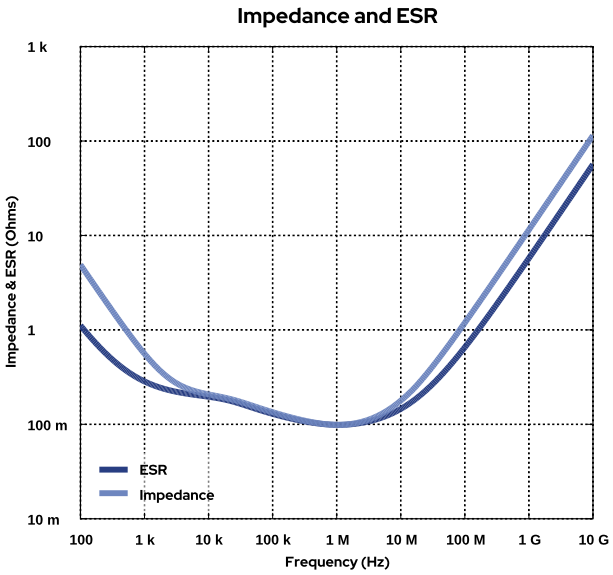
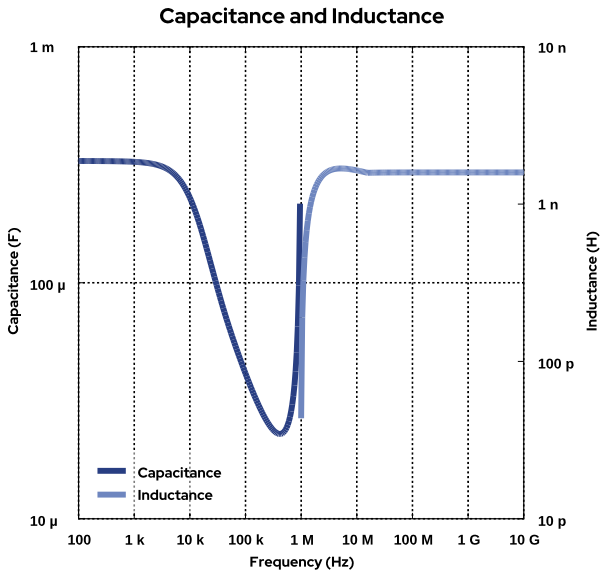
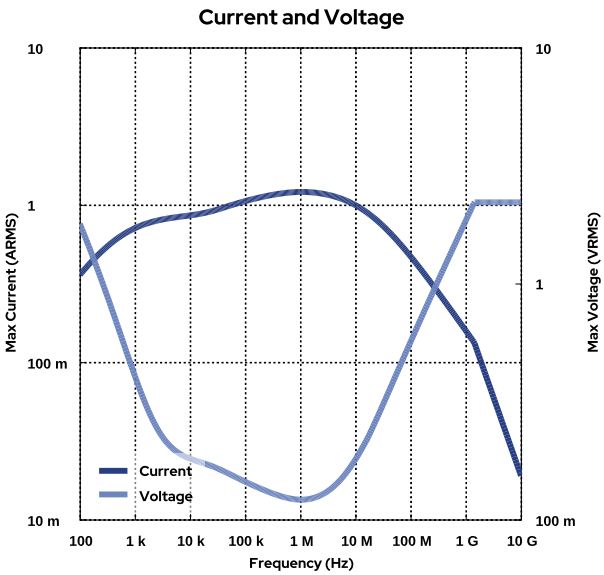
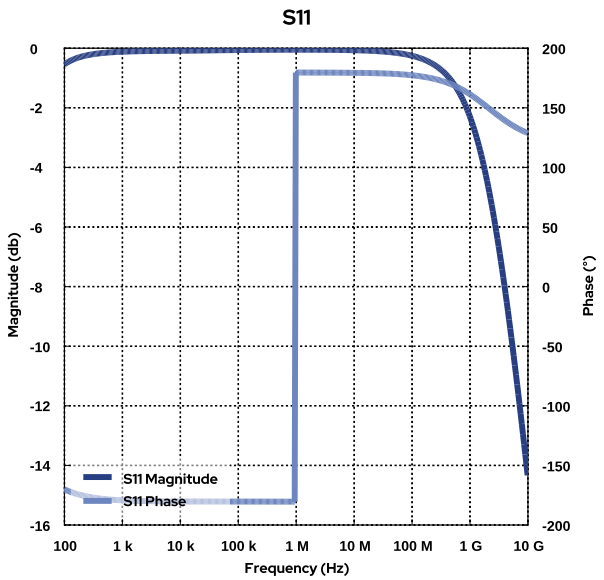
## Simulations

For the complete simulation environment please visit K-SIM.



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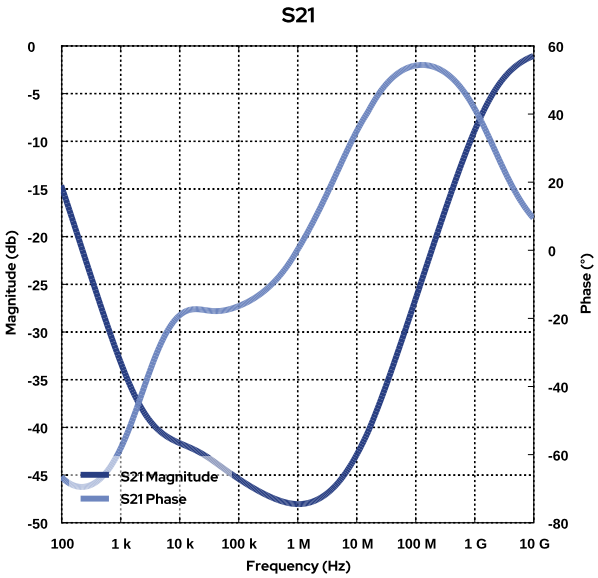

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**These are simulations.**

This is not a specification!

The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

The responses shown do not represent a specified or implied maximum capability of the device for all applications.

- The ESR used for ripple "Ripple Current/Voltage vs. Frequency" plots is the ESR at ambient temperature.
- The ESR in the "Temperature Rise vs. Ripple Current" plots is adjusted to each incremental temperature rise before the power and ripple current is calculated.
- The effects shown herein are based on measured data from a multiple part sample of the parts in question.
- Ripple capability of this device will be factored by thermal resistance (Rth) created by circuit traces (addi affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.
- The peak voltages generated in the "Temperature Rise vs. Combined Ripple Currents" plot are calculated for each frequency and are not combined with voltages generated at any other harmonics.
- Please consult with the catalog or field applications engineer for maximum capability of the device in specific applications.

All product information and data (collectively, the "Information") are subject to change without notice.

KEMET K-SIM is designed to simulate behavior of components with respect to frequency, ambient temperature, and DC bias levels. The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation effects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

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If you have any questions please contact K-SIM.

单击下面可查看定价，库存，交付和生命周期等信息

>>KEMET(基美)