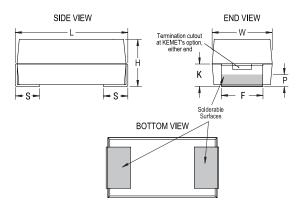
## **KEMET Part Number: CWR29NC225KDFB**

(T429F225K050DC4251)



T429 CWR29, Tantalum, MnO2 Tantalum, Military/High Reliability, 2.2 uF, 10%, 50 VDC, SMD, MnO2, Molded, Military Equivalent, Low ESR, D (0.001%/1000 Hrs), 700 mOhms, 5634, Height Max = 2.16mm



| Dimensions |                      |
|------------|----------------------|
| Footprint  | 5634                 |
| L          | 5.59mm +/-0.38mm     |
| W          | 3.43mm +/-0.38mm     |
| Н          | 1.78mm +/-0.38mm     |
| S          | 0.76mm +0.25/-0.13mm |
| F          | 3.3mm +/-0.13mm      |
| K          | 1.02mm MIN           |
| Р          | 0.51mm 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<br>Equivalent, Low ESR                                                                                            |
| RoHS:               | No                                                                                                                                            |
| Prop 65:            | WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov.                                                                               |
| Termination:        | Hot Solder Dipped                                                                                                                             |
| Qualifications:     | MIL-PRF-55365/11, CWR29<br>Style                                                                                                              |
| AEC-Q200:           | No                                                                                                                                            |
| Component Weight:   | 173.63 mg                                                                                                                                     |
| Notes:              | Note: When Option C Is Selected<br>For Lead Material, Add An<br>Additional 0.38mm To The<br>Tolerances For "L", "W", "H",<br>"K","F" And "S". |
| MSL:                | 1                                                                                                                                             |

| Specifications           |                                              |
|--------------------------|----------------------------------------------|
| Capacitance:             | 2.2 uF                                       |
| Capacitance Tolerance:   | 10%                                          |
| Voltage DC:              | 50 VDC (85C), 33.5 VDC (125C)                |
| Temperature Range:       | -55/+125°C                                   |
| Rated Temperature:       | 85°C                                         |
| Dissipation Factor:      | 6% 120Hz 25C                                 |
| Failure Rate:            | D (0.001%/1000 Hrs)                          |
| Resistance:              | 0.7 Ohms (100kHz 25C)                        |
| Leakage Current:         | 2 uA (5min 25°C)                             |
| Testing and Reliability: | Surge Testing At -55C And +85C After Weibull |

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