

## T541X337K016CH6720

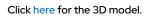
T541 HRA, Tantalum, Polymer Tantalum, HRA Multi-Anode, 330 uF, 10%, 16 VDC, SMD, Polymer, Molded, High Reliability, Multi-Anode, Low ESR, C (0.01%/1000 Hrs), 25 mOhms, 7343, 4.3 mm, 1.3 mm



ANODE (+) END VIEW

BOTTOM VIEW

SIDE VIEW



| General Information      |   |
|--------------------------|---|
| Series                   | T541HRA   |
| Dielectric               | Polymer Tantalum  |
| Style                    | SMD Chip  |
| Description              | SMD, Polymer, Molded, High<br>Reliability, Multi-Anode, Low<br>ESR                |
| Features                 | Non-Combustible, Multiple<br>Anode, Low ESR, High Reliability                     |
| RoHS                     | No  |
| Prop 65                  | WARNING: Cancer and<br>reproductive harm -<br>https://www.p65warnings.ca.gov<br>/ |
| SCIP Number              | b064b03e-bd75-42af-b342-1fe<br>94dec2340  |
| Termination              | Tin Lead (SnPb)   |
| AEC-Q200                 | No  |
| Typical Component Weight | 410.89 mg   |
| Shelf Life               | 52 Weeks  |

| Dimensions |                    |
|------------|--------------------|
| L          | 7.3mm +/-0.3mm     |
| W          | 4.3mm +/-0.3mm     |
| Н          | 4mm +/-0.3mm       |
| Т          | 0.13mm REF         |
| S          | 1.3mm +/-0.3mm     |
| F          | 2.4mm +/-0.1mm     |
| Α          | 3.8mm MIN          |
| В          | 0.5mm +/-0.15mm    |
| E          | 3.5mm REF          |
| G          | 3.5mm REF          |
| Р          | 1.7mm REF          |
| R          | 1mm REF            |
| Х          | 0.1mm +/-0.1mm REF |

## Packaging Specifications

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

| Specifications          |  |
|-------------------------|--|
| Capacitance             | 330 uF   |
| Tolerance               | 10%  |
| Voltage DC              | 16 VDC (105C), 10.72 VDC (125C)  |
| Temperature Range       | -55/+125°C   |
| Rated Temperature       | 105°C  |
| Life                    | 2000 Hrs (125C)  |
| Humidity                | 60C, 90% RH, 500 Hours, rated voltage  |
| Dissipation Factor      | 10% 120Hz 25C  |
| Failure Rate            | C (0.01%/1000 Hrs)   |
| ESR                     | 25 mOhms (100kHz 25C)  |
| Ripple Current          | 3286 mA (rms, 100kHz 45C)  |
| Leakage Current         | 528 uA (5min 25°C)   |
| Testing and Reliability | 10 Cycles Surge Current Testing<br>At -55C +0C/-5C And +85C<br>+/-5C After Voltage Aging |

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