

**KEMET Part Number: T541X687M004AH6710**  
(04052-023B)

Capacitor, Tantalum, 680 uF, 7343, +/-20% Tol, -55/+125C, 4 VDC (85C), Failure Rate=N/A



| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 7.3       | +/-0.3    |
| W               | 4.3       | +/-0.3    |
| H               | 4         | +/-0.3    |
| F               | 2.4       | +/-0.1    |
| S               | 1.3       | +/-0.3    |
| B               | 0.5       | +/-0.15   |
| X               | 0.1       | +/-0.1    |
| P               | 1.7       | REF       |
| R               | 1         | REF       |
| T               | 0.13      | REF       |
| A               | 3.8       | MIN       |
| G               | 3.5       | REF       |
| E               | 3.5       | REF       |

**Notes:**

-In polarity stripe, at KEMET's option, type may be indicated: no symbol = Standard (or low leakage) MnO2 tantalum chip, O = LowESR T494, R = Low ESR T495, F = Fused T496, HT = 150C rated T498 (or B45196P, B45198P), H = 175C rated T499, H2 = 200C rated T50

| General Information    |   |
|------------------------|---|
| Supplier:              | KEMET   |
| Application:           | Military COTS/Low ESR                               |
| Sub Application:       | (MultipleAnode/<br>NonCombustibleCathode)           |
| Part Type Description: | SMD, Polymer, Molded, COTS,<br>Multi-Anode, Low ESR |
| Construction:          | Multiple Anode Chip-Polymer                         |
| Body Type:             | SMD Chip  |
| Termination:           | Solder Coated                                       |
| Footprint:             | 7343  |
| Weight:                | 410.89 mg   |
| Approvals:             | DLA Drawing 04052                                   |
| RoHS:                  | No  |

| Specifications          |  |
|-------------------------|--|
| Capacitance:            | 680 uF   |
| Tolerance:              | +/-20%   |
| Voltage:                | 4 VDC (85C)  |
| Voltage:                | 2.68 VDC (125C)  |
| Temperature Range:      | -55/+125C  |
| Testing:                | 10 Cycles Surge Current Testing<br>At -55C +0C/-5C And +85C<br>+/-5C After Voltage Aging |
| Current/Ripple Current: | 5196 mAmps (100kHz 45C)  |
| Resistance/ESR:         | 10 mOhms (100kHz 25C)  |
| Failure Rate:           | N/A  |
| Leakage Current:        | 272 uA   |
| Dissipation Factor:     | 10%  |

| Packaging Specifications |             |
|--------------------------|-------------|
| Package Kind:            | T&R         |
| Package Size:            | 7 in/180 mm |
| Package Quantity:        | 500         |