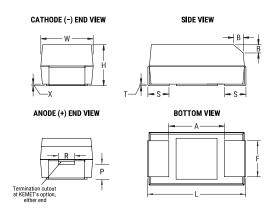
## KEMET Part Number: T525D687M2R5ATE025



T525, Tantalum, Polymer Tantalum, 680 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 25 mOhms, 7343, Height Max = 3.1mm



| General information |  |
|---------------------|--|
| Supplier:           | KEMET  |
| Series:             | T525   |
| Dielectric:         | Polymer Tantalum                               |
| Style:              | SMD Chip                                       |
| Description:        | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Features:           | Low ESR  |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Shelf Life:         | 52 Weeks                                       |
| MSL:                | 3  |
|                     |  |

**General Information** 

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 7343            |
| L          | 7.3mm +/-0.3mm  |
| W          | 4.3mm +/-0.3mm  |
| Н          | 2.8mm +/-0.3mm  |
| Т          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.4mm +/-0.1mm  |
| A          | 3.6mm MIN       |
| В          | 0.5mm +/-0.15mm |
| Р          | 0.9mm REF       |
| R          | 1mm REF         |
| Х          | 0.1mm +/-0.1mm  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 680 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 2.5 VDC (105C), 1.68 VDC (125C)                       |
| Temperature Range:     | -55/+125C   |
| Rated Temperature:     | 105C  |
| Dissipation Factor:    | 10.00% 120Hz 25C                                      |
| Failure Rate:          | N/A   |
| Resistance:            | 25 mOhms (100kHz 25C)                                 |
| Ripple Current:        | 3000 mA (100kHz 45C), 2100<br>mA (85C), 750 mA (125C) |
| Leakage Current:       | 170 uA (5min 25C)                                     |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 434.83 mg  |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 500        |  |

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