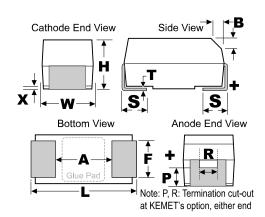
## KEMET Part Number: T522Y477M006ATE035



Tantalum, Polymer Tantalum, T522, 470 uF, 20%, 6.3 V, 7343, SMD, Polymer, Molded, Low ESR, Low Leakage, 35 mOhms, Height Max = 4mm



| Dimensions |                 |  |
|------------|-----------------|--|
| Footprint  | 7343            |  |
| L          | 7.3mm +/-0.3mm  |  |
| W          | 4.3mm +/-0.3mm  |  |
| Н          | 3.8mm +/-0.2mm  |  |
| Т          | 0.13mm REF      |  |
| S          | 1.3mm +/-0.3mm  |  |
| F          | 2.4mm +/-0.1mm  |  |
| Α          | 3.8mm MIN       |  |
| В          | 0.5mm +/-0.15mm |  |
| Р          | 1.7mm REF       |  |
| R          | 1mm REF         |  |
| Х          | 0.1mm +/-0.1mm  |  |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Weight:                  | 493.99 mg  |  |
| Packaging:               | T&R, 178mm |  |
| Packaging Quantity:      | 500        |  |

| General Information |   |  |
|---------------------|---|--|
| Dielectric:         | Polymer Tantalum                              |  |
| Style:              | SMD Chip                                      |  |
| Series:             | T522  |  |
| Description:        | SMD, Polymer, Molded, Low<br>ESR, Low Leakage |  |
| Features:           | Low ESR, Low Leakage                          |  |
| RoHS:               | Yes   |  |
| Termination:        | Tin   |  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 470 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 6.3 VDC (105C)  |
| Temperature Range:     | -55/+105C   |
| Dissipation Factor:    | 10% 120Hz 25C   |
| Failure Rate:          | N/A   |
| Resistance:            | 35 mOhms (100kHz 25C)   |
| Current:               | 2600 mAmps (100kHz 45C),<br>1820 mAmps (85C), 650 mAmps<br>(105C) |
| Leakage Current:       | 88.8 uAmps (10min 25C)  |

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