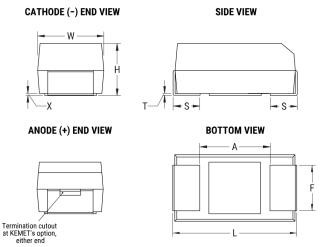


## T5210477M016APE0707280

Obsolete

T521, Tantalum, Polymer Tantalum, 470 uF, 20%, 16 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 70 mOhms, 7360, Height Max = 4.3mm



Click here for the 3D model.

| Dimensions |                |
|------------|----------------|
| Footprint  | 7360           |
| L          | 7.3mm +/-0.3mm |
| W          | 6mm +/-0.3mm   |
| Н          | 4mm +/-0.3mm   |
| Т          | 0.13mm REF     |
| S          | 1.3mm +/-0.3mm |
| F          | 4.1mm +/-0.1mm |
| Α          | 3.3mm MIN      |
| X          | 0.1mm +/-0.1mm |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging                | T&R, 330mm |
| Packaging Quantity       | 1000       |

| General Information |  |
|---------------------|--|
| Series              | T521   |
| Dielectric          | Polymer Tantalum                               |
| Style               | SMD Chip                                       |
| Description         | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Features            | Low ESR, High Voltage                          |
| RoHS                | Yes  |
| Termination         | Nickel Palladium Gold                          |
| AEC-Q200            | No   |
| Shelf Life          | 52 Weeks                                       |
| MSL                 | 3  |

| Specifications           |   |
|--------------------------|---|
| Capacitance              | 470 uF  |
| Capacitance<br>Tolerance | 20%   |
| Voltage DC               | 16 VDC (105C)   |
| Temperature<br>Range     | -55/+105°C  |
| Rated<br>Temperature     | 105°C   |
| Life                     | 2000 Hrs (105C)   |
| Humidity                 | 60C, 90% RH, no load, 500 Hours                                     |
| Dissipation Factor       | 10% 120Hz 25C   |
| Failure Rate             | N/A   |
| Resistance               | 70 mOhms (100kHz 25C)   |
| Ripple Current           | 2070 mA (rms, 100kHz 45C), 1449 mA (rms, 85C), 517.5 mA (rms, 105C) |
| Leakage Current          | 752 uA (5min 25°C)  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.