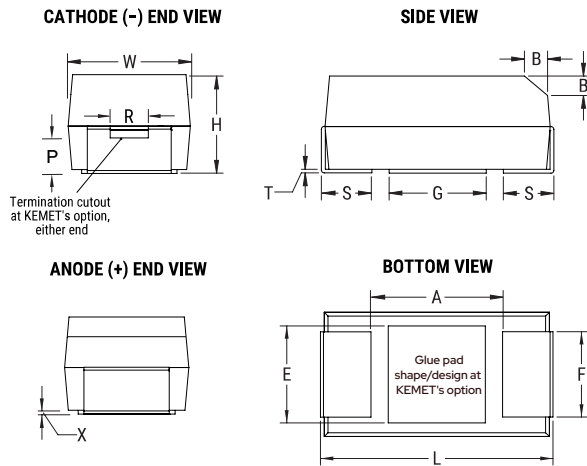


# T493C106K020CH641C

T493 Space, Tantalum, MnO2 Tantalum, Space, 10 uF, 10%, 20 VDC, SMD, MnO2, Molded, Aerospace, C (0.01%/1000 Hrs), 1.8 Ohms, 2.8 mm, 2312 / 6032



Click [here](#) for the 3D model.

## General Information

|                          |                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Series                   | T493 Space                                                                                                                      |
| Dielectric               | MnO2 Tantalum                                                                                                                   |
| Style                    | SMD Chip                                                                                                                        |
| Description              | SMD, MnO2, Molded, Aerospace                                                                                                    |
| Features                 | Aerospace                                                                                                                       |
| RoHS                     | No                                                                                                                              |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>    |
| SCIP Number              | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa                                                                                            |
| Termination              | Tin Lead (SnPb)                                                                                                                 |
| Typical Component Weight | 224.2 mg                                                                                                                        |
| Notes                    | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

## Dimensions

|   |                    |
|---|--------------------|
| L | 6mm +/-0.3mm       |
| W | 3.2mm +/-0.3mm     |
| H | 2.5mm +/-0.3mm     |
| T | 0.13mm REF         |
| S | 1.3mm +/-0.3mm     |
| F | 2.2mm +/-0.1mm     |
| A | 3.1mm MIN          |
| B | 0.5mm +/-0.15mm    |
| E | 2.4mm REF          |
| G | 2.8mm REF          |
| K | 1mm MIN            |
| P | 0.5mm MIN          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

## Packaging Specifications

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

## Specifications

|                         |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| Capacitance             | 10 uF                                                                                |
| Tolerance               | 10%                                                                                  |
| Voltage DC              | 20 VDC (85C), 13.4 VDC (125C)                                                        |
| Temperature Range       | -55/+125°C                                                                           |
| Rated Temperature       | 85°C                                                                                 |
| Dissipation Factor      | 6% 120Hz 25C                                                                         |
| Failure Rate            | C (0.01%/1000 Hrs)                                                                   |
| ESR                     | 1.8 Ohms (100kHz 25C)                                                                |
| Ripple Current          | 247 mA (rms, 100kHz 25C)                                                             |
| Leakage Current         | 2 uA (5min 25°C)                                                                     |
| Testing and Reliability | 10 Cycles Surge Testing At -55C And +85C Before Weibull; Additional Testing Option C |

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