

**KEMET Part Number: T491D476K006AT**  
(B45196E1476K409)

Tantalum, MnO<sub>2</sub> Tantalum, T491, 47 uF, 10%, 6.3 V, 7343, SMD, MnO<sub>2</sub>, Molded, 800 mOhms, Height Max = 3.1mm



| General Information |                                |
|---------------------|--------------------------------|
| <b>Dielectric:</b>  | MnO <sub>2</sub> Tantalum      |
| <b>Style:</b>       | SMD Chip                       |
| <b>Series:</b>      | T491                           |
| <b>Description:</b> | SMD, MnO <sub>2</sub> , Molded |
| <b>RoHS:</b>        | Yes                            |
| <b>Termination:</b> | Tin                            |

| Specifications                |  |
|-------------------------------|--|
| <b>Capacitance:</b>           | 47 uF  |
| <b>Capacitance Tolerance:</b> | 10%  |
| <b>Voltage DC:</b>            | 6.3 VDC (85C), 4.22 VDC (125C)                                   |
| <b>Temperature Range:</b>     | -55/+125C  |
| <b>Dissipation Factor:</b>    | 6% 120Hz 20C   |
| <b>Failure Rate:</b>          | N/A  |
| <b>Resistance:</b>            | 0.8 Ohms (100kHz)  |
| <b>Current:</b>               | 433 mAmps (100kHz 25C),<br>389.7 mAmps (85C), 173.2 mAmps (125C) |
| <b>Leakage Current:</b>       | 3 uAmps (5min 20C)   |

| Dimensions       |                 |
|------------------|-----------------|
| <b>Footprint</b> | 7343            |
| <b>L</b>         | 7.3mm +/-0.3mm  |
| <b>W</b>         | 4.3mm +/-0.3mm  |
| <b>H</b>         | 2.8mm +/-0.3mm  |
| <b>T</b>         | 0.13mm REF      |
| <b>S</b>         | 1.3mm +/-0.3mm  |
| <b>F</b>         | 2.4mm +/-0.1mm  |
| <b>A</b>         | 3.6mm MIN       |
| <b>B</b>         | 0.5mm +/-0.15mm |
| <b>E</b>         | 3.5mm REF       |
| <b>G</b>         | 3.5mm REF       |
| <b>P</b>         | 0.9mm REF       |
| <b>R</b>         | 1mm REF         |
| <b>X</b>         | 0.1mm +/-0.1mm  |

| Packaging Specifications   |            |
|----------------------------|------------|
| <b>Weight:</b>             | 446.84 mg  |
| <b>Packaging:</b>          | T&R, 178mm |
| <b>Packaging Quantity:</b> | 500        |

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