

T493D156K025BT6310

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 15 uF, 10%, 25 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 1 Ohms, 7343, 3.1 mm, 1.3 mm

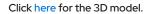
CATHODE (-) END VIEW



ANODE (+) END VIEW

ΗB + S --| |- S -— G – BOTTOM VIEW ٠A pad shape/design at KEMET's option

SIDE VIEW



| General Information | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Series | T493 HRA |
| Dielectric | MnO2 Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO2, Molded, High Reliability |
| Features | High Reliability |
| RoHS | Yes |
| Termination | Tin |
| AEC-Q200 | No |
| Typical Component Weight | 412.33 mg |
| Notes | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

| Dimensions | | \$ |
|------------|--------------------|----|
| L | 7.3mm +/-0.3mm | (|
| W | 4.3mm +/-0.3mm | |
| Н | 2.8mm +/-0.3mm | ١ |
| Т | 0.13mm REF | |
| S | 1.3mm +/-0.3mm | F |
| F | 2.4mm +/-0.1mm | [|
| A | 3.8mm MIN | F |
| В | 0.5mm +/-0.15mm | E |
| E | 3.5mm REF | F |
| G | 3.5mm REF | L |
| Ρ | 0.5mm MIN | |
| R | 1mm REF | |
| Х | 0.1mm +/-0.1mm REF | |

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

| Specifications | |
|-------------------------|-------------------------------------------------------------------|
| Capacitance | 15 uF |
| Tolerance | 10% |
| Voltage DC | 25 VDC (85C), 16.75 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| ESR | 1 Ohms (100kHz 25C) |
| Ripple Current | 332 mA (rms, 100kHz 25C) |
| Leakage Current | 3.8 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C After Weibull |

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