

## T489C336M010ATA590

T489 Auto, Tantalum, MnO2 Tantalum, Commercial Grade, 33 uF, 20%, 10 VDC, SMD, MnO2, Molded, Low Leakage, Auto, AEC-Q200, 590 mOhms, 6032, 2.8 mm, 1.3 mm

CATHODE (-) END VIEW



SIDE VIEW



Dimensions

L

W

н

т s

F

А

В

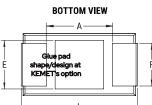
E G

Р

R

Х

ANODE (+) END VIEW



6mm +/-0.3mm

3.2mm +/-0.3mm 2.5mm +/-0.3mm

1.3mm +/-0.3mm

2.2mm +/-0.1mm

0.5mm +/-0.15mm

0.1mm +/-0.1mm REF

0.13mm REF

3.1mm MIN

2.4mm REF

2.8mm REF

0.9mm REF

1mm REF

Click here for the 3D model.

| General Information      |   |
|--------------------------|---|
| Series                   | T489 Auto   |
| Dielectric               | MnO2 Tantalum                                     |
| Style                    | SMD Chip  |
| Description              | SMD, MnO2, Molded, Low<br>Leakage, Auto, AEC-Q200 |
| Features                 | Low Leakage, Automotive                           |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 224.475 mg  |

| Specifications     |                              |
|--------------------|------------------------------|
| Capacitance        | 33 uF                        |
| Tolerance          | 20%                          |
| Voltage DC         | 10 VDC (85C), 6.7 VDC (125C) |
| Temperature Range  | -55/+125°C                   |
| Rated Temperature  | 85°C                         |
| Dissipation Factor | 6% 120Hz 25C                 |
| Failure Rate       | N/A                          |
| ESR                | 590 mOhms (100kHz 25C)       |
| Ripple Current     | 432 mA (rms, 100kHz 25C)     |
| Leakage Current    | 2.5 uA (5min 25°C)           |

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

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