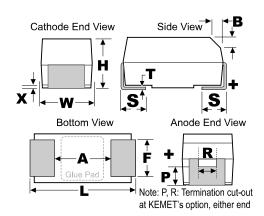
## KEMET Part Number: T520C157M010ATE055



T520, Tantalum, Polymer Tantalum, 150 uF, 20%, 10 V, 6032, SMD, Polymer, Molded, Low ESR, Non-Combustible, 55 mOhms, Height Max = 2.8mm



| Dimensions |                 |
|------------|-----------------|
| Footprint  | 6032            |
| L          | 6mm +/-0.3mm    |
| W          | 3.2mm +/-0.3mm  |
| Н          | 2.5mm +/-0.3mm  |
| Т          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.2mm +/-0.1mm  |
| Α          | 2.9mm MIN       |
| В          | 0.5mm +/-0.15mm |
| Р          | 0.9mm REF       |
| R          | 1mm REF         |
| Х          | 0.1mm +/-0.1mm  |

| SIZINI 4 SIGNIN | Temperature Range:  |
|-----------------|---------------------|
| 2.5mm +/-0.3mm  | Dissipation Factor: |
| 0.13mm REF      | Failure Rate:       |
| 1.3mm +/-0.3mm  |                     |
| 2.2mm +/-0.1mm  | Resistance:         |
| 2.9mm MIN       |                     |
|                 | Current:            |
| 0.5mm +/-0.15mm |                     |
| 0.9mm REF       | Leakage Current:    |
| 1mm REF         |                     |
|                 | 1                   |

| Packaging Specifications |            |  |  |
|--------------------------|------------|--|--|
| Weight:                  | 184.14 mg  |  |  |
| Packaging:               | T&R, 178mm |  |  |
| Packaging Quantity:      | 500        |  |  |

| General Information |   |  |
|---------------------|---|--|
| Supplier:           | KEMET   |  |
| Series:             | T520  |  |
| Dielectric:         | Polymer Tantalum                                  |  |
| Style:              | SMD Chip  |  |
| Description:        | SMD, Polymer, Molded, Low<br>ESR, Non-Combustible |  |
| Features:           | Low ESR   |  |
| RoHS:               | Yes   |  |
| Termination:        | Tin   |  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 150 uF  |
| Capacitance Tolerance: | 20%   |
| Voltage DC:            | 10 VDC (105C)   |
| Temperature Range:     | -55/+105C   |
| Dissipation Factor:    | 8% 120Hz 25C  |
| Failure Rate:          | N/A   |
| Resistance:            | 55 mOhms (100kHz 25C)   |
| Current:               | 1700 mAmps (100kHz 45C),<br>1190 mAmps (85C), 425 mAmps<br>(105C) |
| Leakage Current:       | 150 uA (5min 25C)   |

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.

