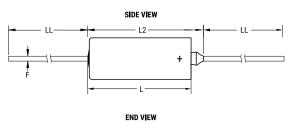
## KEMET Part Number: T551B256K050AT42527200



## T551, Tantalum, Polymer Tantalum, HRA, 25 uF, 10%, 50 VDC, 170 mOhms





| Dimensions |                      |  |
|------------|----------------------|--|
| D          | 7.34mm +0.41/-0.38mm |  |
| L          | 17.42mm +/-0.79mm    |  |
| L2         | 20.88mm MAX          |  |
| LL         | 38.1mm +/-6.35mm     |  |
| F          | 0.64mm +/-0.05mm     |  |

| Packaging Specifications |     |
|--------------------------|-----|
| Packaging:               | T&R |
| Packaging Quantity:      | 500 |

| General Information |  |
|---------------------|--|
| Series:             | T551   |
| Dielectric:         | Polymer Tantalum   |
| Style:              | Axial Hermetic   |
| RoHS:               | No   |
| Prop 65:            | WARNING: Cancer<br>and reproductive harm -<br>www.p65warnings.ca.gov.  |
| Termination:        | Tin  |
| Lead:               | Wire Leads   |
| AEC-Q200:           | No   |
| Construction:       | Hermetic   |
| Component Weight:   | 3.63 g   |
| Miscellaneous:      | Sleeved.   |
| Notes:              | Dimensions Include Insulating<br>Sleeve. When supplied on<br>T&R or AMMO, lead length<br>is determined by taping<br>specification. |
| Shelf Life:         | 156 Weeks  |

| Specifications           |  |  |
|--------------------------|--|--|
| Capacitance:             | 25 uF  |  |
| Capacitance Tolerance:   | 10%  |  |
| Voltage DC:              | 50 VDC (85C), 33 VDC (125C),<br>57.5 VDC (85C Surge) |  |
| Temperature Range:       | -55/+125°C   |  |
| Rated Temperature:       | 85°C   |  |
| Life:                    | 2000 Hrs   |  |
| Humidity:                | 40C, 60% RH  |  |
| Dissipation Factor:      | 5% 120Hz 25C   |  |
| Failure Rate:            | N/A  |  |
| Resistance:              | 170 mOhm (100kHz 25C)                                |  |
| Ripple Current:          | 1275 mAmps (40kHz 85C)                               |  |
| Leakage Current:         | 9.4 uA (5min 25°C)                                   |  |
| Testing and Reliability: | Surge Testing At -55C And +85C<br>Before Weibull     |  |

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.



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