# Tantalum Product - **TRJ** Series

## PRODUCT SPECIFICATIONS :

| | | |
|---|---|---|
| Nominal Capacitance @ 120Hz | 100 µF | |
| Capacitance Tolerance (*) | K = ±10%; M = ±20% | |
| Rated Voltage DC ($V_R$) | ≤ 85°C | 10 V |
| Category Voltage DC ($V_C$) | ≤ 125°C | 7 V |
| Surge Voltage ($V_S$) | ≤ 85°C | 13 V |
| | ≤ 125°C | 8 V |
| Temperature Range | -55°C to +125°C | |
| Direct Leakage Current max. @ $V_R$ | 7.5 µA | |
| Dissipation Factor max. @ 120Hz | 8 % | |
| ESR max. @ 100kHz | 0.5 Ohm | |
| Typical weight (C case) | 166 mg | |




RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

*Moisture sensitivity level: meets MSL 1*
*Reflow specification: meets J-STD-020 standard*
*Meets requirements of AEC-Q200*
*100% surge current tested*
*All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes*

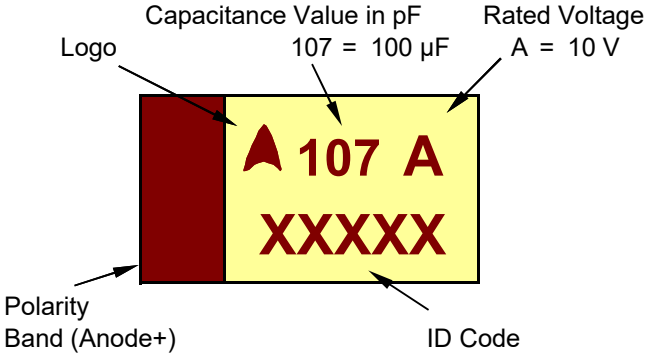
*The EIA and CECC standards for low ESR solid Tantalum capacitors allow an ESR movement to 1.25 times catalogue limit post mounting*
*KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards*

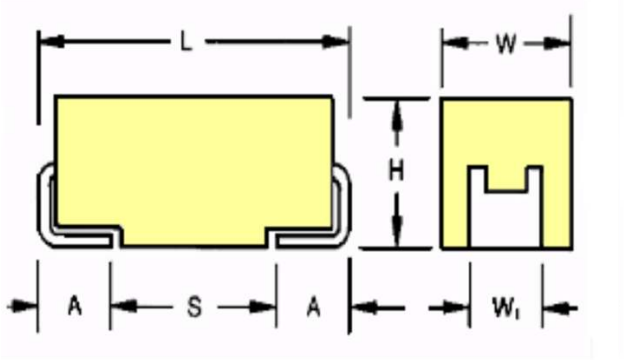
| RMS value of Ripple Current (mA) @100kHz | | | RMS value of Ripple Voltage (mV) @100kHz | | |
|---|---|---|---|---|---|
| 25˚C | 85˚C | 125˚C | 25˚C | 85˚C | 125˚C |
| 469 | 422 | 188 | 235 | 211 | 94 |

## HOW TO ORDER:

| TRJ | C | 107 | * | 010 | # | RJ |
|---|---|---|---|---|---|---|
| Type | Case code | Capacitance Value | Cap. Tolerance | Rated DC | Packaging | Suffix |

## DRAWING AND DIMENSIONS:



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## CASE DIMENSIONS: millimetres

| Case | | | | | | | |
|---|---|---|---|---|---|---|---|
| EIA | Size | L ±0.2 | W +0.2 –0.1 | H +0.2 –0.1 | A +0.3 –0.2 | S min. | W1 ±0.2 |
| 6032-28 | C | 6.0 | 3.2 | 2.6 | 1.3 | 2.9 | 2.2 |

## PACKAGING INFORMATION:

| Reel Size (#) | R = 7" Reel<br>Pure Tin Termination | S = 13" Reel<br>Pure Tin Termination | A = 7" Reel<br>Gold Plated Termination | B = 13" Reel<br>Gold Plated Termination |
|---|---|---|---|---|
| Quantity | 500 | 3000 | 500 | 3000 |
| Tape Width | 12 mm | 12 mm | 12 mm | 12 mm |

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