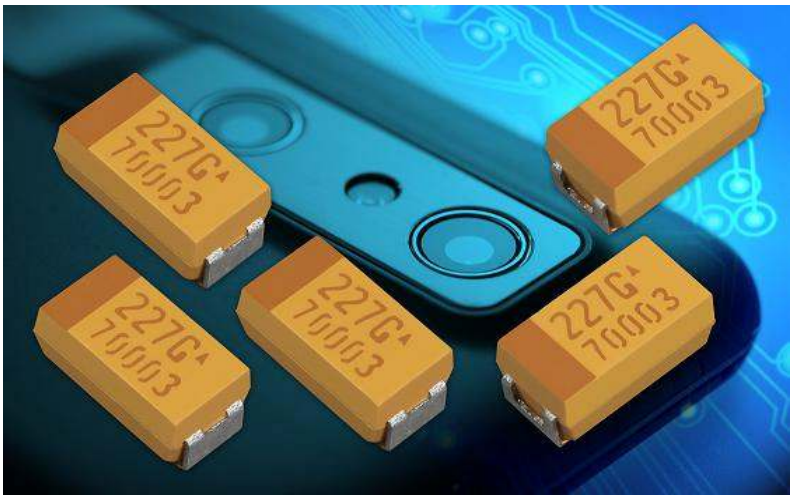
# Tantalum Product - **TLJ** Consumer Series

## PRODUCT SPECIFICATIONS :

| | | |
|---|---|---|
| Nominal Capacitance @ 120Hz | 68 µF | |
| Capacitance Tolerance (*) | M = ± 20% | |
| Rated Voltage ($V_R$) | ≤ 40°C | 10 V |
| Category Voltage ($V_C$) | ≤ 85°C | 5 V |
| Category Voltage ($V_C$) | ≤ 125°C | 2 V |
| Temperature Range with cat. Voltage | -55°C to +125°C | |
| Direct Leakage Current max. @ $V_R$ | 6.8 µA | |
| ESR max. @ 100kHz | 1.5 Ohm | |
| Maximum Surge Current | 2.6 A | |
| Typical weight (A case) | 29 mg | |




RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

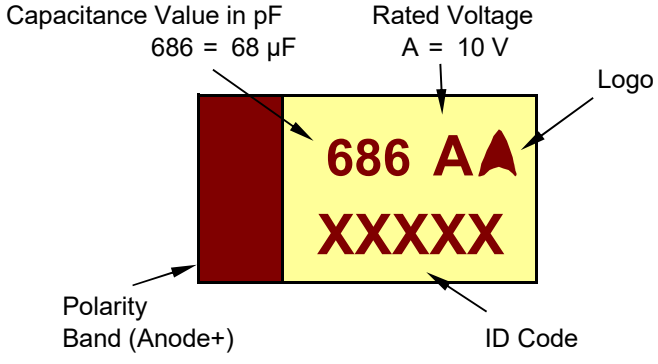
*Moisture sensitivity level: meets MSL 3*
*Reflow specification: meets J-STD-020 standard*
*100% surge current tested*
*All technical data relates to an ambient temperature of +25 °C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.*
*ESR allowed to move up to 1.25 times catalogue limit post mounting, DCL allowed to move up to 2 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*

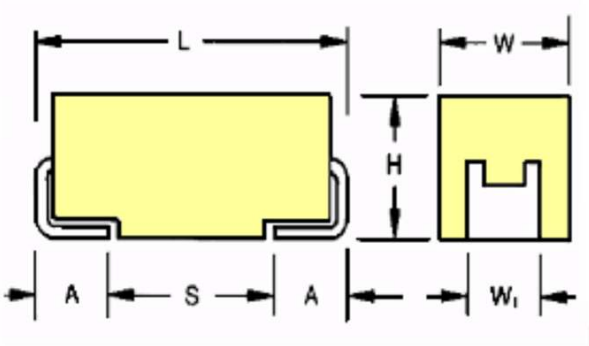
| RMS value of Ripple Current (mA) @100kHz | | | RMS value of Ripple Voltage (mV) @100kHz | | |
|---|---|---|---|---|---|
| 25˚C | 85˚C | 125˚C | 25˚C | 85˚C | 125˚C |
| 224 | 201 | 89 | 335 | 302 | 134 |

## HOW TO ORDER:

| TLJ | A | 686 | M | 010 | # | 1500 |
|---|---|---|---|---|---|---|
| Type | Case code | Capacitance Value | Cap. Tolerance | Rated DC | Packaging | ESR in mOhms |

## DRAWING AND DIMENSIONS:



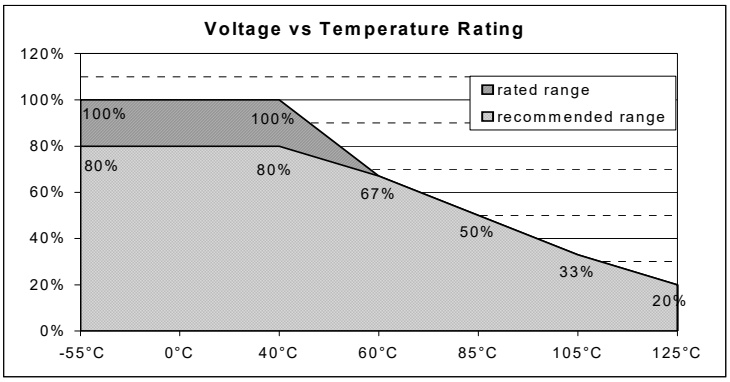
# Tantalum Product - **TLJ** Consumer Series

## 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 |
| 3216-18 | A | 3.2 | 1.6 | 1.6 | 0.8 | 1.1 | 1.2 |

## 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 | 2000 | 8000 | 2000 | 8000 |
| Tape Width | 8 mm | 8 mm | 8 mm | 8 mm |




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