# Conductive Polymer Product - **TCJ** Series

## PRODUCT SPECIFICATIONS :

| | | |
|---|---|---|
| Nominal Capacitance @ 120Hz | 22 µF | |
| Capacitance Tolerance | M = ±20% | |
| Rated Voltage DC ($V_R$) | ≤ 105°C | 25 V |
| Surge Voltage ($V_S$) | ≤ 105°C | 33 V |
| Temperature Range | -55°C to +105°C | |
| Direct Leakage Current max. @ $V_R$ | 55 µA | |
| Dissipation Factor max. @ 120Hz | 6 % | |
| ESR max. @ 100kHz | 0.15 Ohm | |
| Typical weight (B case) | 72 mg | |





Elektra Award 2010

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

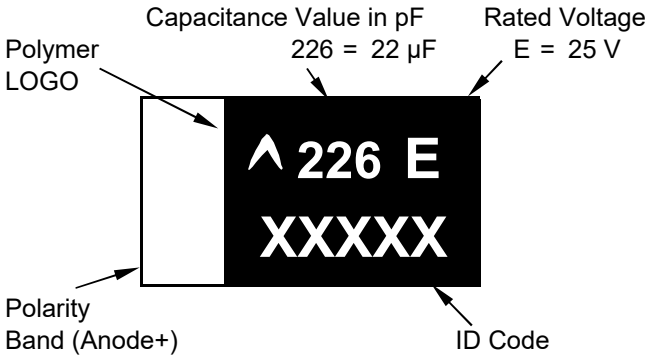
*Moisture sensitivity level: meets MSL 3*
*Reflow specification: meets J-STD-020 standard*
*100% surge current tested*
*All technical data relates to an ambient temperature of +25°C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes*
*ESR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

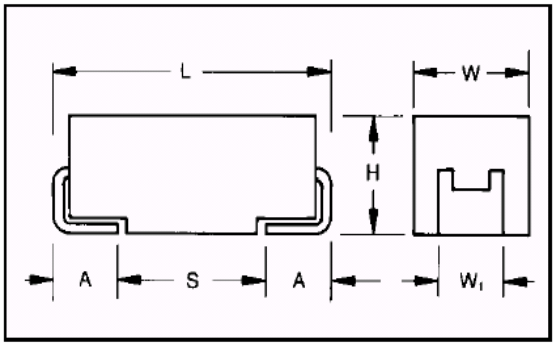
| RMS value of Ripple Current (mA) @100kHz | | | RMS value of Ripple Voltage (mV) @100kHz | | |
|---|---|---|---|---|---|
| 45˚C | 85˚C | 105˚C | 45˚C | 85˚C | 105˚C |
| 900 | 600 | 400 | 135 | 90 | 60 |

## HOW TO ORDER:

| TCJ | B | 226 | M | 025 | # | 0150 | E |
|---|---|---|---|---|---|---|---|
| Type | Case code | Capacitance Value | Cap. Tolerance | Rated DC | Packaging | ESR in mOhms | Black Resin |

## 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 |
| 3528-21 | B | 3.5 | 2.8 | 1.9 | 0.8 | 1.4 | 2.2 |

## PACKAGING INFORMATION:

| Reel Size (#) | R = 7” Reel<br>Lead Free Termination* | S = 13” Reel<br>Lead Free Termination* |
|---|---|---|
| Quantity | 2000 | 8000 |
| Tape Width | 8 mm | 8 mm |

* CoO Czech Republic = Pure Tin, CoO Thailand = NiPdAu

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