

# Conductive Polymer Product - TCJ Series

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	10 $\mu$ F
Capacitance Tolerance	M = $\pm$ 20%
Rated Voltage DC ( $V_R$ )	$\leq 85^\circ\text{C}$ 6.3 V
Category Voltage DC ( $V_C$ )	$< 105^\circ\text{C}$ 5 V
Surge Voltage ( $V_S$ )	$\leq 85^\circ\text{C}$ 8 V
	$< 105^\circ\text{C}$ 6 V
Temperature Range	-55 $^\circ\text{C}$ to +105 $^\circ\text{C}$
Direct Leakage Current max. @ $V_R$	6 $\mu$ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	0.25 Ohm
Typical weight (N case)	9 mg



Elektra  
Award  
2010



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 $^\circ\text{C}$ , Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V.

DCL is measured at rated voltage after 5 minutes

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 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$	45 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$
600	400	300	150	100	75

## HOW TO ORDER:

TCJ

Type

N

Case code

106

Capacitance  
Value

M

Cap.  
Tolerance

006

Rated  
DC

#

Packaging

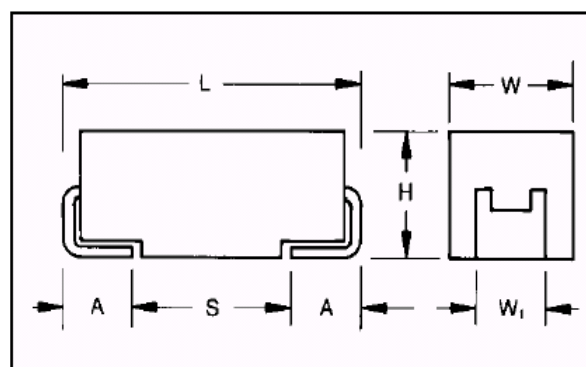
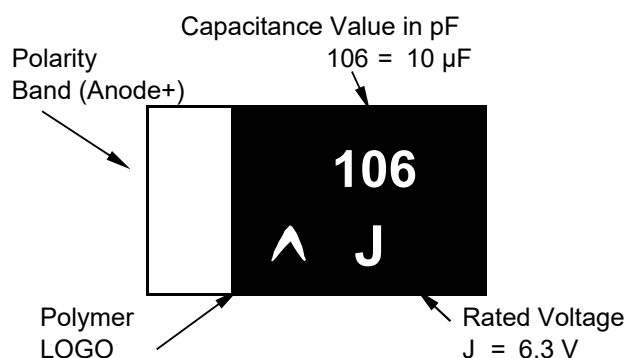
0250

ESR  
in m $\Omega$

E

Black  
Resin

## DRAWING AND DIMENSIONS:



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## CASE DIMENSIONS: millimetres

Case							
EIA	Size	L $\pm 0.2$	W $+0.2 -0.1$	H max.	A $+0.3 -0.2$	S min.	W1 $\pm 0.1$
2012-10	N	2.05	1.3	1.0	0.5	0.85	1.0

## PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination
Quantity	3000	13000
Tape Width	8 mm	8 mm

Issued by: KYOCERA AVX Technical Marketing Team  
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