



**THE DATASHEET OF
TCJN106M006R0250**



Conductive Polymer Product - TCJ Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	10 μ 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 μ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	0.5 Ohm
Typical weight (N case)	9 mg



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



Elektra
Award
2010



LEAD-FREE
LEAD-FREE COMPATIBLE
COMPONENT

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 $^\circ\text{C}$
400	300	200	200	150	100

HOW TO ORDER:

TCJ

Type

N

Case code

106

Capacitance
Value

M

Cap.
Tolerance

006

Rated
DC

#

Packaging

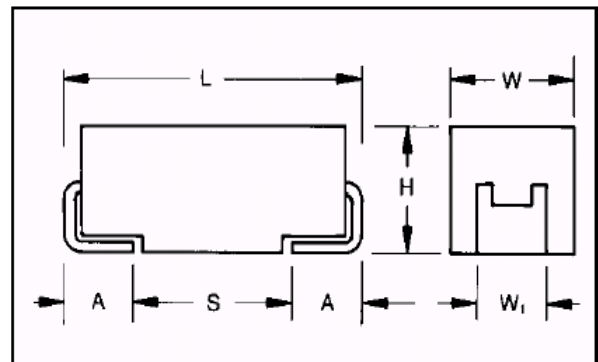
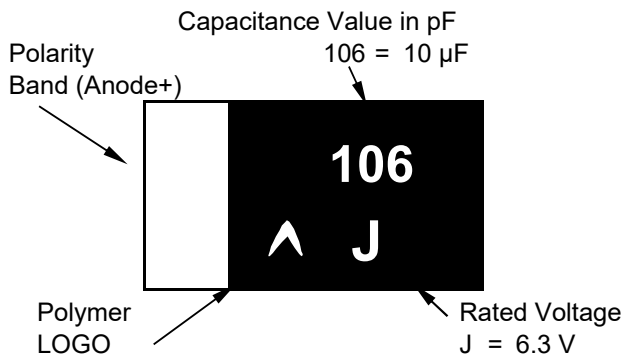
0500

ESR
in m Ω

E

Black
Resin

DRAWING AND DIMENSIONS:



Conductive Polymer Product - TCJ Series

CASE DIMENSIONS: millimetres

Case		L ±0.2	W +0.2 -0.1	H max.	A +0.3 -0.2	S min.	W1 ±0.1
EIA	Size						
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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Mouser Electronics

Authorized Distributor

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