

# Conductive Polymer Product - TCJ Series

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	330 $\mu$ F	
Capacitance Tolerance	M = $\pm$ 20%	
Rated Voltage DC ( $V_R$ )	$\leq 85^\circ\text{C}$	2.5 V
Category Voltage DC ( $V_C$ )	$\leq 105^\circ\text{C}$	2 V
Surge Voltage ( $V_S$ )	$\leq 85^\circ\text{C}$	3.3 V
	$\leq 105^\circ\text{C}$	2.5 V
Temperature Range	-55 $^\circ\text{C}$ to +105 $^\circ\text{C}$	
Direct Leakage Current max. @ $V_R$	82.5 $\mu$ A	
Dissipation Factor max. @ 120Hz	8 %	
ESR max. @ 100kHz	0.045 Ohm	
Typical weight (B case)	72 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 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

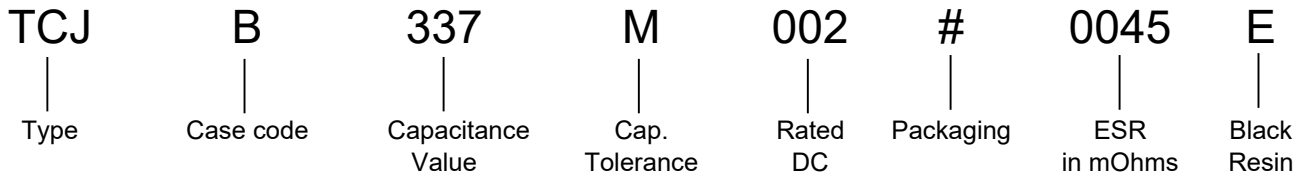


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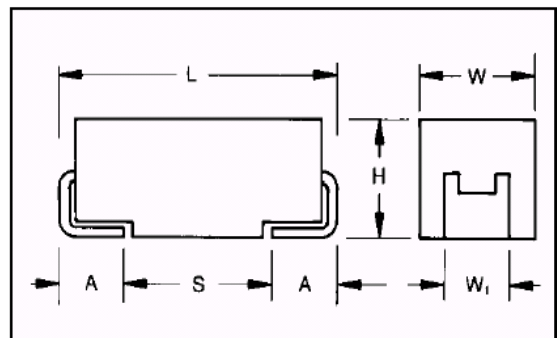
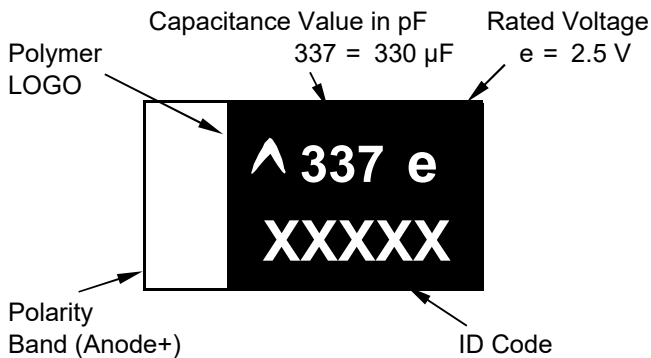


RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
45 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$	45 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$
1700	1200	800	77	54	36

## HOW TO ORDER:



## DRAWING AND DIMENSIONS:



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## CASE DIMENSIONS: millimetres

Case		L ±0.2	W +0.2 -0.1	H +0.2 -0.1	A +0.3 -0.2	S min.	W1 ±0.2
EIA	Size						
3528-21	B	3.5	2.8	1.9	0.8	1.4	2.2

## PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Lead Free Termination*	S = 13" Reel Lead Free Termination*
Quantity	2000	8000
Tape Width	8 mm	8 mm

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

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