

Conductive Polymer Product - TCJ Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	100 μ F	
Capacitance Tolerance	M = \pm 20%	
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$	4 V
Category Voltage DC (V_C)	$\leq 105^\circ\text{C}$	3.2 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$	5.2 V
	$\leq 105^\circ\text{C}$	4 V
Temperature Range	-55 $^\circ\text{C}$ to +105 $^\circ\text{C}$	
Direct Leakage Current max. @ V_R	40 μ A	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.2 Ohm	
Typical weight (A case)	28 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

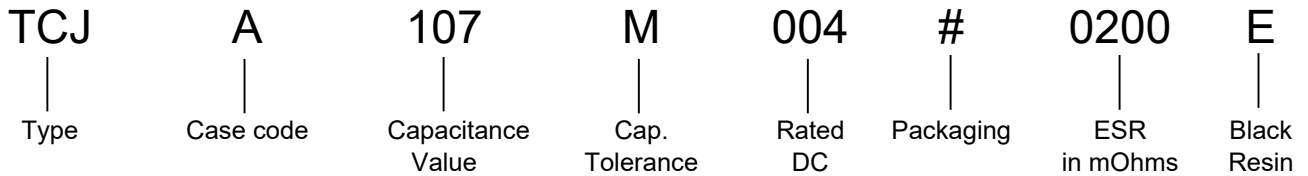


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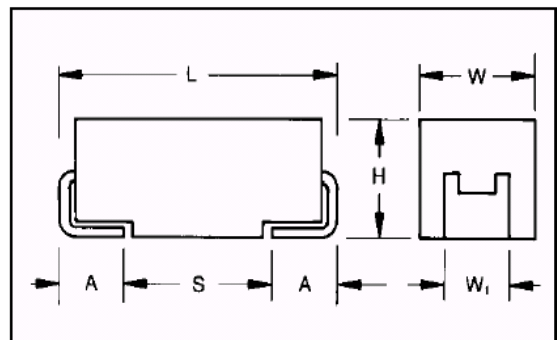
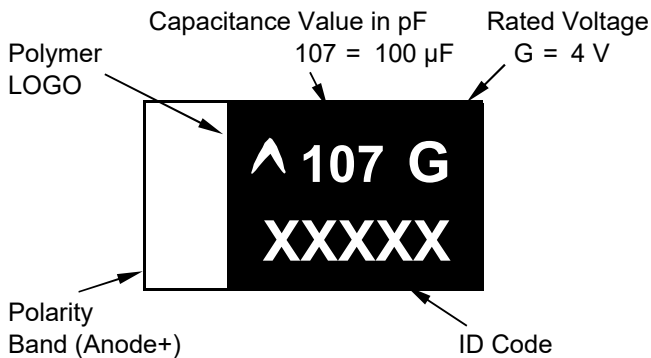


RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
45 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$	45 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$
700	500	300	140	100	60

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						
3216-18	A	3.2	1.6	1.6	0.8	1.1	1.2

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination
Quantity	2000	8000
Tape Width	8 mm	8 mm

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