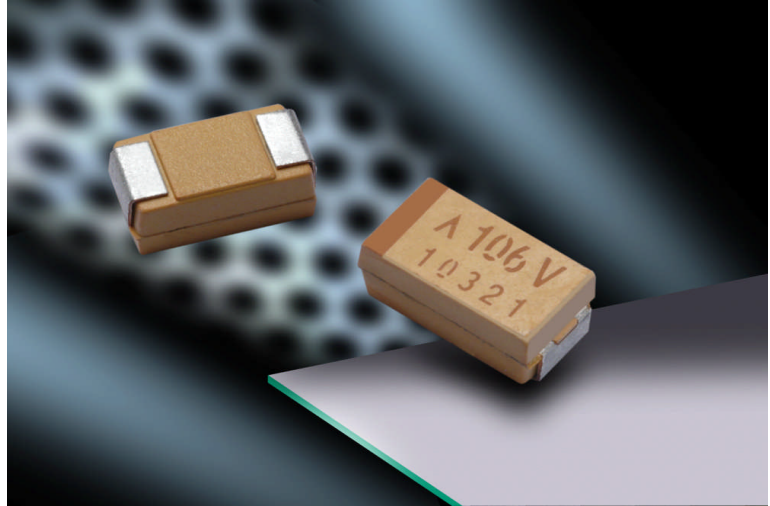


Tantalum Polymer Product - TCJ Series



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	3.3 μ F	
Capacitance Tolerance	M = \pm 20%	
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$	125 V
Category Voltage DC (V_C)	$\leq 105^\circ\text{C}$	100 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$	162.5 V
	$\leq 105^\circ\text{C}$	125 V
Temperature Range	-55 $^\circ\text{C}$ to +105 $^\circ\text{C}$	
Direct Leakage Current max. @ V_R	41.2 μ A	
Disipation Factor max. @ 120Hz	8 %	
ESR max. @ 100kHz	0.25 Ohm	
Typical weight (D case)	346 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

AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards



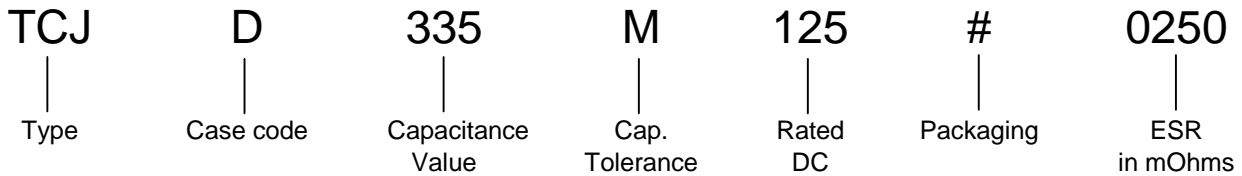
Elektra Award 2010



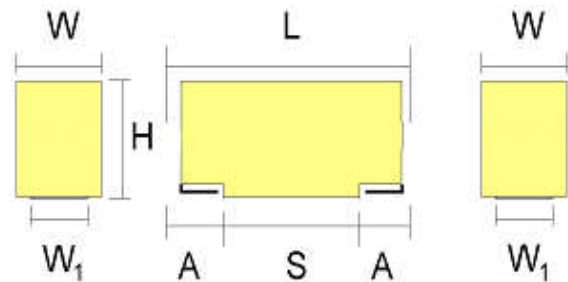
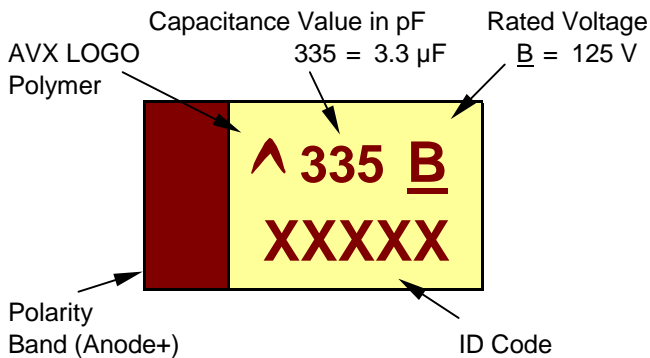
LEAD-FREE
LEAD-FREE COMPATIBLE COMPONENT

RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$	25 $^\circ\text{C}$	85 $^\circ\text{C}$	105 $^\circ\text{C}$
775	697	503	194	174	126

HOW TO ORDER:



DRAWING AND DIMENSIONS:



Tantalum Polymer Product - TCJ Series



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	AVX						
7343-31	D	7.3	4.3	2.9	1.3	4.4	2.4

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination	A = 7" Reel Gold Plated Termination	B = 13" Reel Gold Plated Termination
Quantity	500	2500	500	2500
Tape Width	12 mm	12 mm	12 mm	12 mm

AMERICAS

AVX Greenville, SC
Tel: 864-967-2150

AVX Northwest, WA
Tel: 360-699-8746

AVX Midwest, IN
Tel: 317-861-9184

AVX Mid/Pacific, CA
Tel: 408-988-4900

AVX Northeast, MA
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