

Tantalum Product - TAJ Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	6.8 μ F
Capacitance Tolerance (*)	K = \pm 10%; M = \pm 20%
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$ 50 V
Category Voltage DC (V_C)	$\leq 125^\circ\text{C}$ 33 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$ 65 V
	$\leq 125^\circ\text{C}$ 40 V
Temperature Range	-55 $^\circ\text{C}$ to +125 $^\circ\text{C}$
Direct Leakage Current max. @ V_R	3.4 μ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	1 Ohm
Typical weight (D case)	290 mg



Moisture sensitivity level: meets MSL 1

Reflow specification: meets J-STD-020 standard

For AEC-Q200 availability, please contact KYOCERA AVX

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.

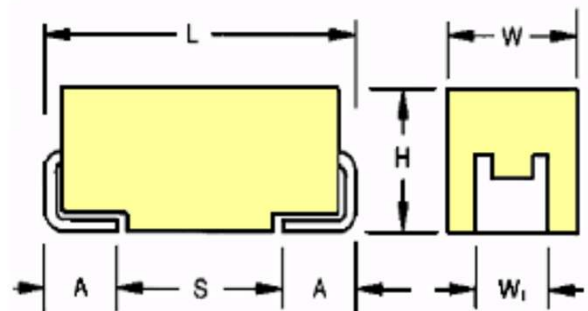
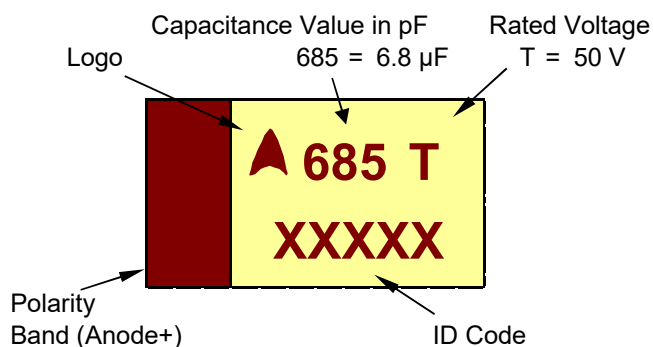
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25 $^\circ\text{C}$	85 $^\circ\text{C}$	125 $^\circ\text{C}$	25 $^\circ\text{C}$	85 $^\circ\text{C}$	125 $^\circ\text{C}$
387	349	155	387	349	155

HOW TO ORDER:

TAJ	D	685	*	050	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	Suffix

DRAWING AND DIMENSIONS:



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CASE DIMENSIONS: millimetres

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

Issued by: KYOCERA AVX Technical Marketing Team
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