

Tantalum Product - TAJ AUTOMOTIVE

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	100 μ F
Capacitance Tolerance (*)	K = $\pm 10\%$; M = $\pm 20\%$
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$ 6.3 V
Category Voltage DC (V_C)	$\leq 125^\circ\text{C}$ 4 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$ 8 V
	$\leq 125^\circ\text{C}$ 5 V
Temperature Range	-55°C to $+125^\circ\text{C}$
Direct Leakage Current max. @ V_R	6.3 μ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	0.9 Ohm
Typical weight (case)	290 mg



LEAD-FREE
LEAD-FREE COMPATIBLE
COMPONENT

Moisture sensitivity level: meets MSL 3

Reflow specification: meets J-STD-020 standard

Meets requirements of AEC-Q200

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.

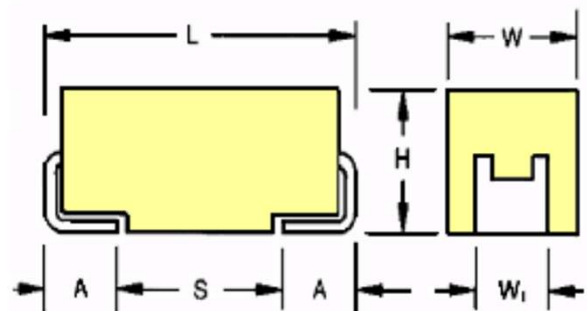
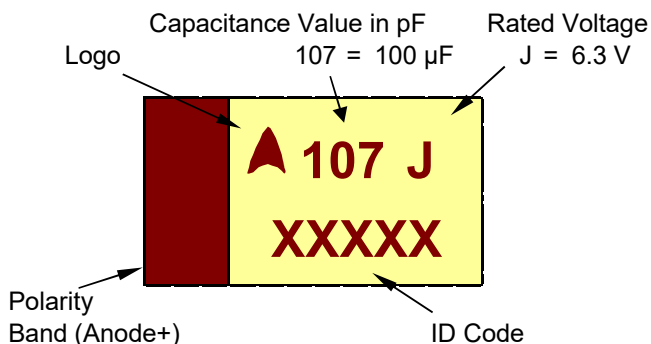
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

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 $^\circ\text{C}$
408	367	163	367	331	147

HOW TO ORDER:

TAJ	D	107	*	006	#	NJ	V
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging Automotive Pure Tin T = 7" Reel U = 13" Reel	Suffix	Vacuum packing

DRAWING AND DIMENSIONS:



Tantalum Product - TAJ Series



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 (#)	T = 7" Reel Automotive Pure Tin	U = 13" Reel Automotive Pure Tin
Quantity	500	2500
Tape Width	12 mm	12 mm

Issued by: KYOCERA AVX Technical Marketing Team
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