

# Tantalum Product - TAJ AUTOMOTIVE

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	2.2 $\mu$ F
Capacitance Tolerance (*)	K = $\pm$ 10%; M = $\pm$ 20%
Rated Voltage DC ( $V_R$ )	$\leq$ 85°C 16 V
Category Voltage DC ( $V_C$ )	$\leq$ 125°C 10 V
Surge Voltage ( $V_S$ )	$\leq$ 85°C 20 V
	$\leq$ 125°C 13 V
Temperature Range	-55°C to +125°C
Direct Leakage Current max. @ $V_R$	0.5 $\mu$ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	6.5 Ohm
Typical weight (A case)	29 mg



Moisture sensitivity level: meets MSL 1

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°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°C	85°C	125°C	25°C	85°C	125°C
107	97	43	698	628	279

## HOW TO ORDER:

TAJ

Type

A

Case code

225

Capacitance  
Value

\*

Cap.  
Tolerance

016

Rated  
DC

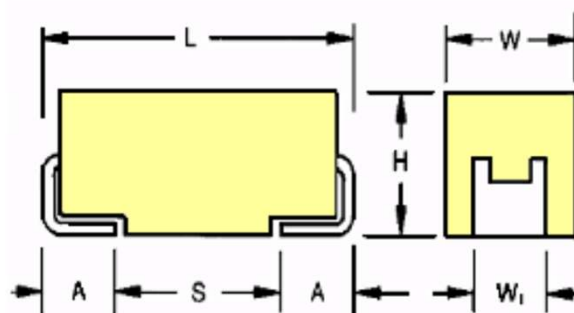
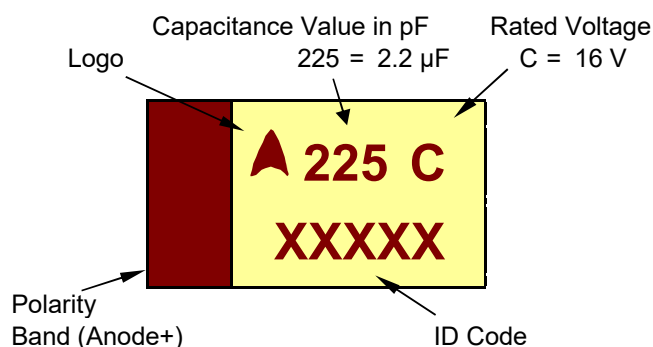
#

Packaging  
Automotive  
Pure Tin  
T = 7" Reel  
U = 13" Reel

NJ

Suffix

## DRAWING AND DIMENSIONS:



# Tantalum Product - TAJ Series



## CASE DIMENSIONS: millimetres

Case							
EIA	Size	L $\pm 0.2$	W $+0.2 -0.1$	H $+0.2 -0.1$	A $+0.3 -0.2$	S min.	W1 $\pm 0.2$
3216-18	A	3.2	1.6	1.6	0.8	1.1	1.2

## PACKAGING INFORMATION:

Reel Size (#)	T = 7" Reel Automotive Pure Tin	U = 13" Reel Automotive Pure Tin
Quantity	2000	8000
Tape Width	8 mm	8 mm

Issued by: KYOCERA AVX Technical Marketing Team  
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