

# Tantalum Product - TAJ Series

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	4.7 $\mu$ F
Capacitance Tolerance (*)	K = $\pm$ 10%; M = $\pm$ 20%
Rated Voltage DC ( $V_R$ )	$\leq 85^\circ\text{C}$ 35 V
Category Voltage DC ( $V_C$ )	$\leq 125^\circ\text{C}$ 23 V
Surge Voltage ( $V_S$ )	$\leq 85^\circ\text{C}$ 46 V
	$\leq 125^\circ\text{C}$ 28 V
Temperature Range	-55 $^\circ\text{C}$ to +125 $^\circ\text{C}$
Direct Leakage Current max. @ $V_R$	1.6 $\mu$ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	2.2 Ohm
Typical weight (C case)	166 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.

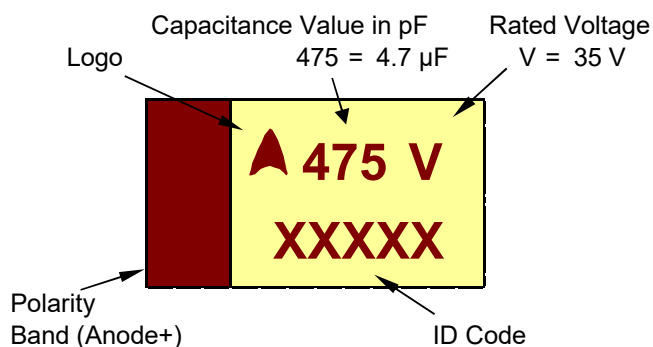
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

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 $^\circ\text{C}$
224	201	89	492	443	197

## HOW TO ORDER:

TAJ	C	475	*	035	#	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 $\pm 0.2$	W $+0.2 -0.1$	H $+0.2 -0.1$	A $+0.3 -0.2$	S min.	W1 $\pm 0.2$
6032-28	C	6.0	3.2	2.6	1.3	2.9	2.2

## 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	3000	500	3000
Tape Width	12 mm	12 mm	12 mm	12 mm

Issued by: KYOCERA AVX Technical Marketing Team  
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More details at: [www.kyocera-avx.com](http://www.kyocera-avx.com)

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