

# Tantalum Product - TAC Series

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	10 $\mu$ F
Capacitance Tolerance (*)	K = $\pm 10\%$ ; M = $\pm 20\%$
Rated Voltage DC ( $V_R$ )	$\leq 85^\circ\text{C}$ 10 V
Category Voltage DC ( $V_C$ )	$\leq 125^\circ\text{C}$ 7 V
Surge Voltage ( $V_S$ )	$\leq 85^\circ\text{C}$ 13 V
	$\leq 125^\circ\text{C}$ 8 V
Temperature Range	$-55^\circ\text{C}$ to $+125^\circ\text{C}$
Direct Leakage Current max. @ $V_R$	1 $\mu$ A
Dissipation Factor max. @ 120Hz	10 %
ESR max. @ 100kHz	2 Ohm
Typical weight (V case)	16.4 mg



LEAD-FREE  
LEAD-FREE COMPATIBLE  
COMPONENT

Moisture sensitivity level: meets MSL 1

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 and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.

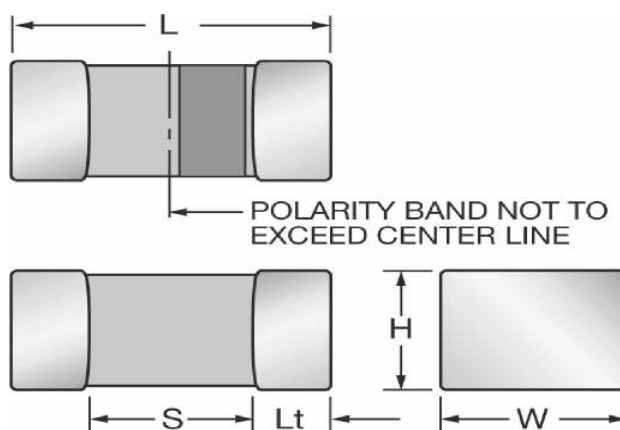
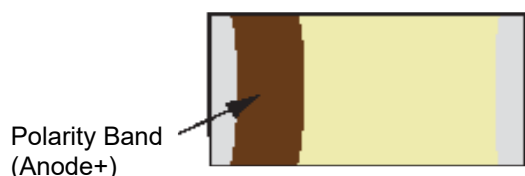
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

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
132	119	53	265	238	106

## HOW TO ORDER:

TAC	V	106	*	010	#	TA
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	Suffix

## DRAWING AND DIMENSIONS:



# Tantalum Product - TAC Series



## CASE DIMENSIONS: millimetres

Case						
EIA	Size	L $\pm 0.2$	W $\pm 0.2$	H max.	Lt min.	S min.
1206 (3216-08M)	V	3.2	1.6	0.75	0.15	1.8

## PACKAGING INFORMATION:

Reel Size (#)	X = 4" Reel	R = 7" Reel	F = 4" Reel Gold Termination	A = 7" Reel Gold Termination
Quantity	500	2500	500	2500
Tape Width	8 mm	8 mm	8 mm	8 mm
Component pitch	4 mm	4 mm	4 mm	4 mm
Tape Type	Plastic embossed	Plastic embossed	Plastic embossed	Plastic embossed

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

Version: 10/2021

**NORTH AMERICA**  
Tel: +1 864-967-2150

**CENTRAL AMERICA**  
Tel: +55 11-46881960

**EUROPE**  
Tel: +44 1276-697000

**ASIA**  
Tel: +65 6286-7555

**JAPAN**  
Tel: +81 740-321250

[WWW.KYOCERA-AVX.COM](http://WWW.KYOCERA-AVX.COM)



**NOTICE:** Specifications are subject to change without notice. Contact your nearest KYOCERA AVX Sales Office for the latest specifications. Specifications are typical and may not apply to all applications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our product are made without responsibility or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures are indicated or that measures may not be required. All samples are provided for testing purposes only. Provision of samples shall not constitute any offer of sale nor shall it constitute any commitment of any kind. Samples may not be incorporated in any product offered for commercial sale. Recipient assumes all risks and liability resulting from such testing. Samples are for the exclusive use of the direct recipient and shall not be sold, lent, given, or otherwise transferred to any other party. All unused samples shall be destroyed or returned to KYOCERA AVX.