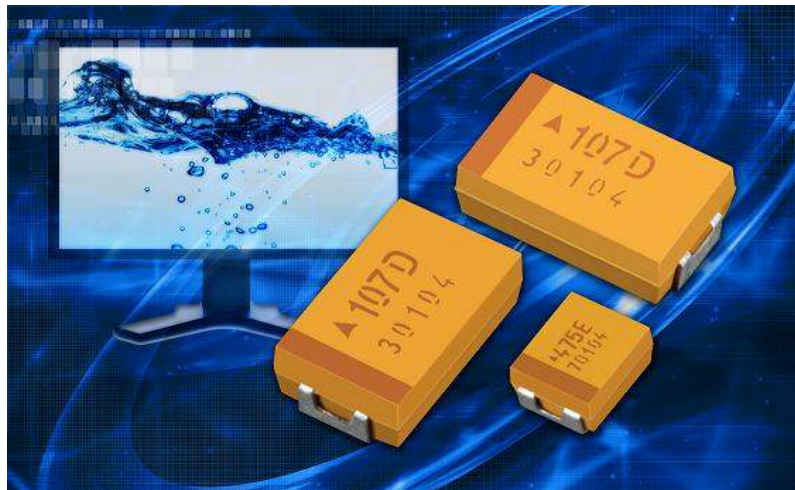


# Tantalum Product - TAJ Series

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	1 $\mu$ 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. @ $V_R$	0.5 $\mu$ A
Dissipation Factor max. @ 120Hz	4 %
ESR max. @ 100kHz	25 Ohm
Typical weight (R case)	10 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

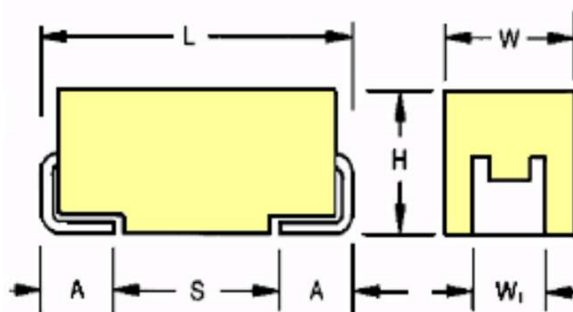
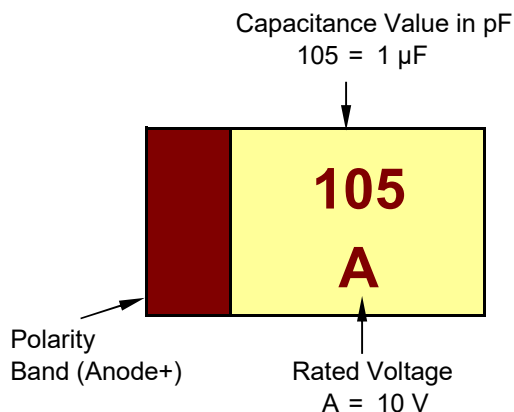
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

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 $^\circ\text{C}$
47	42	19	1173	1055	469

## HOW TO ORDER:

TAJ	R	105	*	010	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	Suffix

## DRAWING AND DIMENSIONS:



# Tantalum Product - TAJ Series



## CASE DIMENSIONS: millimetres

Case							
EIA	Size	L $\pm 0.2$	W $+0.2 -0.1$	H max.	A $+0.3 -0.2$	S min.	W1 $\pm 0.1$
2012-12	R	2.05	1.3	1.2	0.5	0.85	1.0

## 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	2500	10000	2500	10000
Tape Width	8 mm	8 mm	8 mm	8 mm

Issued by: KYOCERA AVX Technical Marketing Team  
Tantalum Division

More details at: [www.kyocera-avx.com](http://www.kyocera-avx.com)

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