

# Tantalum Product - TAJ AUTOMOTIVE

## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	150 $\mu$ F
Capacitance Tolerance (*)	K = $\pm$ 10%; M = $\pm$ 20%
Rated Voltage DC ( $V_R$ )	$\leq$ 85°C    10 V
Category Voltage DC ( $V_C$ )	$\leq$ 125°C    7 V
Surge Voltage ( $V_S$ )	$\leq$ 85°C    13 V
	$\leq$ 125°C    8 V
Temperature Range	-55°C to +125°C
Direct Leakage Current max. @ $V_R$	15 $\mu$ A
Dissipation Factor max. @ 120Hz	8 %
ESR max. @ 100kHz	0.9 Ohm
Typical weight ( case)	512 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°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.

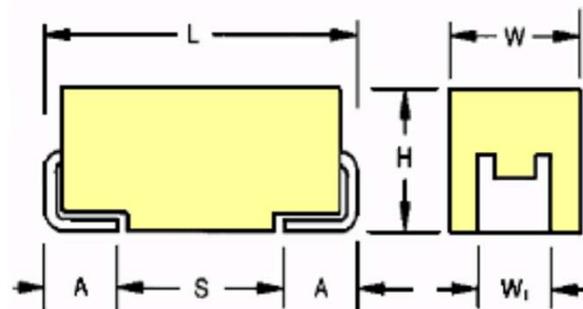
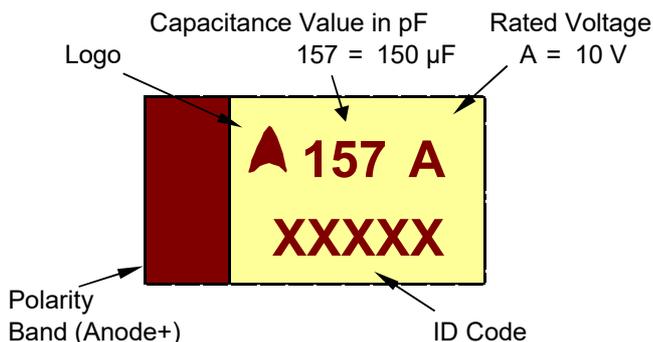
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

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
428	385	171	385	347	154

## HOW TO ORDER:



## DRAWING AND DIMENSIONS:



# Tantalum Product - TAJ Series



## CASE DIMENSIONS: millimetres

Case		L ±0.2	W +0.2 -0.1	H +0.2 -0.1	A +0.3 -0.2	S min.	W1 ±0.2
EIA	Size						
7343-43	E	7.3	4.3	4.1	1.3	4.4	2.4

## PACKAGING INFORMATION:

Reel Size (#)	T = 7" Reel Automotive Pure Tin	U = 13" Reel Automotive Pure Tin
Quantity	400	1500
Tape Width	12 mm	12 mm

Issued by: KYOCERA AVX Technical Marketing Team  
Tantalum Division

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

Version: 10/2021

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