

Tantalum Product - TAJ AUTOMOTIVE

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 μ F
Capacitance Tolerance (*)	K = $\pm 10\%$; M = $\pm 20\%$
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$ 6.3 V
Category Voltage DC (V_C)	$\leq 125^\circ\text{C}$ 4 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$ 8 V
	$\leq 125^\circ\text{C}$ 5 V
Temperature Range	-55°C to $+125^\circ\text{C}$
Direct Leakage Current max. @ V_R	2.8 μ A
Dissipation Factor max. @ 120Hz	10 %
ESR max. @ 100kHz	1.6 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 $+25^\circ\text{C}$, 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
217	195	87	346	312	139

HOW TO ORDER:

TAJ

Type

A

Case code

476

Capacitance
Value

*

Cap.
Tolerance

006

Rated
DC

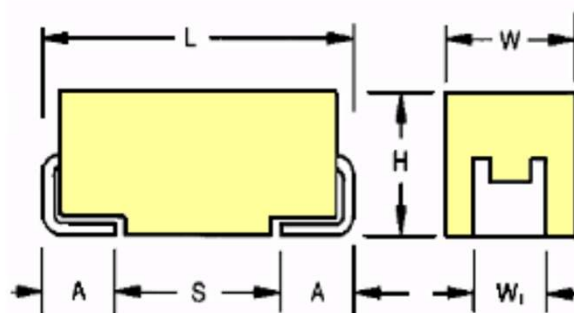
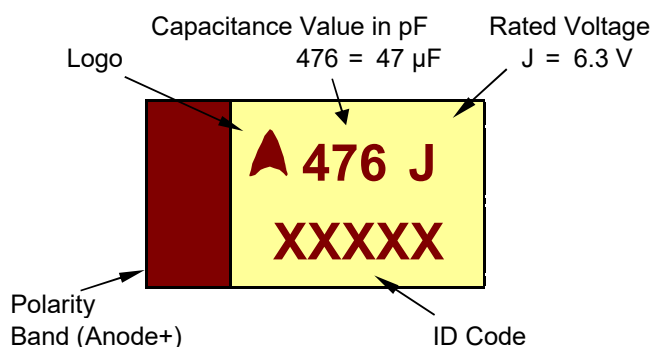
#

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 ± 0.2	W $+0.2 -0.1$	H $+0.2 -0.1$	A $+0.3 -0.2$	S min.	W1 ± 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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