

# Tantalum Product - TAJ AUTOMOTIVE



## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	6.8 $\mu$ F
Capacitance Tolerance (*)	K = $\pm$ 10%; M = $\pm$ 20%
Rated Voltage DC (V <sub>R</sub> )	$\leq$ 85°C 20 V
Category Voltage DC (V <sub>C</sub> )	$\leq$ 125°C 13 V
Surge Voltage (V <sub>S</sub> )	$\leq$ 85°C 26 V
	$\leq$ 125°C 16 V
Temperature Range	-55°C to +125°C
Direct Leakage Current max. @ V <sub>R</sub>	1.4 $\mu$ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	2 Ohm
Typical weight (C case)	166 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°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.

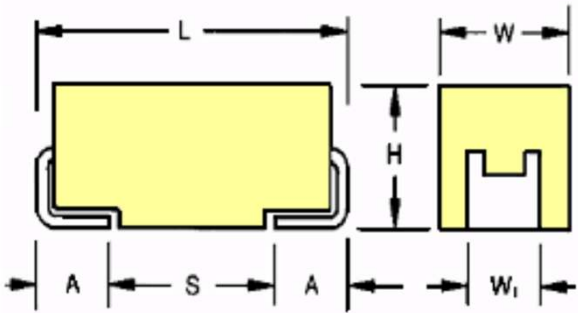
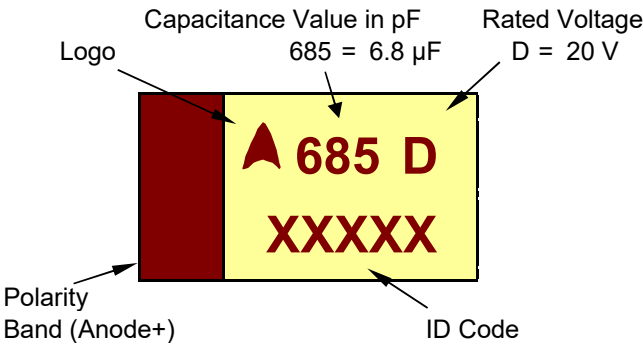
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

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
235	211	94	469	422	188

## HOW TO ORDER:

TAJ	C	685	*	020	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging Automotive Pure Tin T = 7" Reel U = 13" Reel	Suffix

## DRAWING AND DIMENSIONS:



# Tantalum Product - TAJ Series



## 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 (#)	T = 7" Reel Automotive Pure Tin	U = 13" Reel Automotive Pure Tin
Quantity	500	3000
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)

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