

Tantalum Product - TAJ Series



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	680 μ F
Capacitance Tolerance (*)	K = \pm 10%; M = \pm 20%
Rated Voltage DC (V _R)	\leq 85°C 6.3 V
Category Voltage DC (V _C)	\leq 125°C 4 V
Surge Voltage (V _S)	\leq 85°C 8 V
	\leq 125°C 5 V
Temperature Range	-55°C to +125°C
Direct Leakage Current max. @ V _R	42.8 μ A
Dissipation Factor max. @ 120Hz	10 %
ESR max. @ 100kHz	0.5 Ohm
Typical weight (E case)	512 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°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.

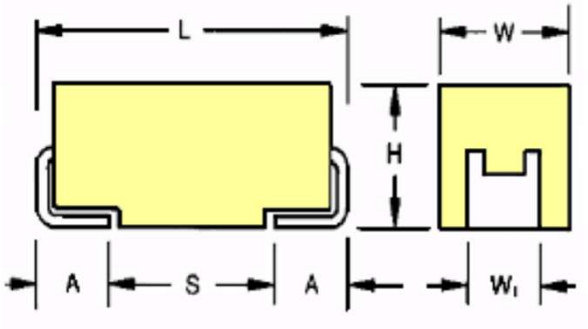
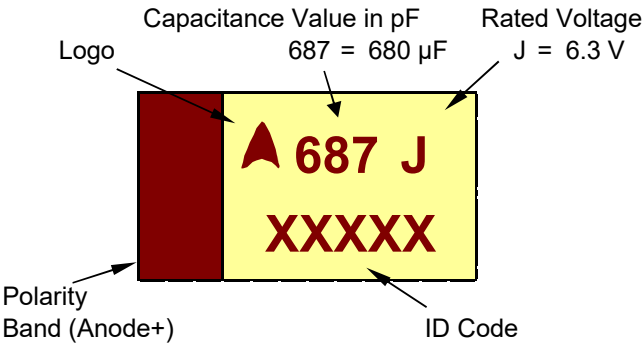
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

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
574	517	230	287	259	115

HOW TO ORDER:

TAJ	E	687	*	006	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	Suffix

DRAWING AND DIMENSIONS:



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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
7343-43	E	7.3	4.3	4.1	1.3	4.4	2.4

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	400	1500	400	1500
Tape Width	12 mm	12 mm	12 mm	12 mm

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Version: 10/2021

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